

SEQUENCE LISTING

<110> ROSENTHAL, ANDRÉ et al.

<120> Nucleic Acid Molecules encoding proteins which influence bone development

<130> 0147-0211P

<140> PCT/EP99/02055

<141> 1999-03-26

<150> DE 198 13 799.0

<151> 1998-03-27

<160> 21

<170> PatentIn Ver. 2.1

<210> 1

<211> 1550

<212> DNA

<213> Mus musculus

<220>

<221> CDS

<222> (2)..(1180)

<400> 1

c ctc ggc cga agt aaa gta gct gct gag aga gcc aca agt gtc tac ttg 49
Leu Gly Arg Ser Lys Val Ala Ala Glu Arg Ala Thr Ser Val Tyr Leu
1 5 10 15

gtc cag aag gtg gtc ccc atg ctt ccc agg ctt ctg tgt gag gaa ctc 97
Val Gln Lys Val Val Pro Met Leu Pro Arg Leu Leu Cys Glu Glu Leu
20 25 30

tgc agc ctc aac ccc atg act gac aag ctg acc ttc tct gtg atc tgg 145
Cys Ser Leu Asn Pro Met Thr Asp Lys Leu Thr Phe Ser Val Ile Trp
35 40 45

aag ctg acc cct gaa ggc aag atc ctt gaa gag tgg ttt ggc cgc act 193
Lys Leu Thr Pro Glu Gly Lys Ile Leu Glu Glu Trp Phe Gly Arg Thr
50 55 60

atc atc cgt tct tgc acc aaa ctg agc tac gac cat gcc cag agc atg 241
Ile Ile Arg Ser Cys Thr Lys Leu Ser Tyr Asp His Ala Gln Ser Met
65 70 75 80

atc gaa aat cca act gag aag atc cct gag gaa gag ctt ccc cca att 289
Ile Glu Asn Pro Thr Glu Lys Ile Pro Glu Glu Glu Leu Pro Pro Ile
85 90 95

tct cca gag cac agc gtc gag gag gtg cac cag gca gtc ctg aac ctg 337
Ser Pro Glu His Ser Val Glu Glu Val His Gln Ala Val Leu Asn Leu
100 105 110

cac agc att gca aag caa ctc cgc cgc cag cgc ttt gta gat ggc gca 385
His Ser Ile Ala Lys Gln Leu Arg Arg Gln Arg Phe Val Asp Gly Ala
115 120 125

ctc cgt tta gat cag gag ttc atg ctc ctg gcc aac atg gcg gtg gcc 433
Leu Arg Leu Asp Gln Glu Phe Met Leu Leu Ala Asn Met Ala Val Ala
130 135 140

cac His 145	aag Lys	atc Ile	ttc Phe	cgc Arg	acc Thr 150	ttc Phe	cct Pro	gag Glu	cag Gln	gcc Ala 155	ctg Leu	ctg Leu	cgc Arg	cgg Arg	cat His 160	481
ccc Pro	cca Pro	cca Pro	cag Gln	acg Thr 165	aag Lys	atg Met	ctc Leu	agt Ser	gac Asp 170	ctg Leu	gtg Val	gag Glu	ttc Phe	tgt Cys 175	gac Asp	529
cag Gln	atg Met	ggg Gly	ctg Leu 180	ccc Pro	atg Met	gat Asp	gtc Val	agc Ser 185	tct Ser	gca Ala	ggg Gly	gcc Ala	cta Leu 190	aat Asn	atg Met	577
gca Ala	ctg Leu	tac Tyr 195	ttc Phe	tgc Cys	tct Ser	ggg Gly	atg Met 200	ctg Leu	cag Gln	gac Asp	cag Gln	gag Glu	cag Gln	ttc Phe	cgg Arg	625
cat His	tat Tyr 210	gct Ala	ctc Leu	aac Asn	gtt Val	ccc Pro 215	ctc Leu	tac Tyr	aca Thr	cac His	ttc Phe 220	acc Thr	tct Ser	ccc Pro	atc Ile	673
cgc Arg 225	cgc Arg	ttt Phe	gct Ala	gac Asp	gtc Val 230	ata Ile	gtg Val	cac His	cgc Arg	ctc Leu 235	ctg Leu	gct Ala	gct Ala	gct Ala	ctg Leu 240	721
ggc Gly	tac Tyr	agt Ser	gaa Glu	cag Gln 245	cca Pro	gat Asp	gtg Val	gag Glu	cct Pro 250	gat Asp	acc Thr	cta Leu	cag Gln	aag Lys 255	caa Gln	769
gct Ala	gac Asp	cac His	tgc Cys 260	aat Asn	gac Asp	cgt Arg	cgc Arg	atg Met 265	gct Ala	tcc Ser	aaa Lys	cgt Arg	gtg Val 270	cag Gln	gag Glu	817
ctc Leu	agc Ser	atc Ile 275	ggc Gly	ctc Leu	ttc Phe	ttc Phe	gca Ala 280	gtt Val	cta Leu	gta Val	aag Lys	gag Glu	agt Ser	ggc Gly	ccc Pro	865
ctg Leu	gag Glu 290	tcc Ser	gaa Glu	gcc Ala	atg Met	gtg Val 295	atg Met	ggg Gly	gtc Val	ctg Leu	aac Asn 300	caa Gln	gct Ala	ttc Phe	gac Asp	913
gtg Val 305	ctg Leu	gtg Val	ctg Leu	cgc Arg	ttt Phe 310	ggg Gly	gtg Val	cag Gln	aag Lys	cgc Arg 315	atc Ile	tac Tyr	tgc Cys	aat Asn	gca Ala 320	961
ctg Leu	gcc Ala	ctg Leu	cga Arg	tcc Ser 325	tac Tyr	agc Ser	ttc Phe	cag Gln	aag Lys 330	gtg Val	ggg Gly	aag Lys	aag Lys	cca Pro 335	gag Glu	1009
ctc Leu	act Thr	ctt Leu	gtt Val 340	tgg Trp	gag Glu	cct Pro	gat Asp	gac Asp 345	ctt Leu	gaa Glu	gag Glu	gag Glu	cca Pro 350	aca Thr	cag Gln	1057
cag Gln	gtc Val	atc Ile 355	acc Thr	atc Ile	ttc Phe	agc Ser	ctg Leu 360	gtg Val	gat Asp	gtg Val	gtc Val	ctg Leu	cag Gln	gca Ala	gag Glu	1105
gcc Ala	aca Thr 370	gcc Ala	ctc Leu	aag Lys	tac Tyr	agt Ser 375	gct Ala	atc Ile	ctg Leu	aag Lys 380	cga Arg	cca Pro	ggc Gly	ctg Leu	gag Glu	1153
aag Lys	gcg Ala	tct Ser	gat Asp	gag Glu	gag Glu	cct Pro	gag Glu	gac Asp	tgaatgctag	cccaagccag						1200

385

390

gcctgtgcct gccctaccct gctggctttt aggaatagga ccttttgaca ccaaagggga 1260
 tttttaattt gggttttaac aactcagggg tttgttttta tttttatttt tccttttatt 1320
 ttacttttgc agctcagttt ttaaataaac tggaaggta ggggtcaggg caggggatgc 1380
 tgaggcctgg cctgtgcttc cctgagcaga gaggatccca gtcctcctgg gcaggcagcc 1440
 ccgcttctac caggcgaccc actgcccttc cctgcccagg aaatgggggg tttcagcaaa 1500
 tcagtgtcat ggaataaaat caagtgtgaa ttgcaaaaaa aaaaaaaaaa 1550

<210> 2

<211> 393

<212> PRT

<213> Mus musculus

<400> 2

Leu Gly Arg Ser Lys Val Ala Ala Glu Arg Ala Thr Ser Val Tyr Leu
 1 5 10 15
 Val Gln Lys Val Val Pro Met Leu Pro Arg Leu Leu Cys Glu Glu Leu
 20 25 30
 Cys Ser Leu Asn Pro Met Thr Asp Lys Leu Thr Phe Ser Val Ile Trp
 35 40 45
 Lys Leu Thr Pro Glu Gly Lys Ile Leu Glu Glu Trp Phe Gly Arg Thr
 50 55 60
 Ile Ile Arg Ser Cys Thr Lys Leu Ser Tyr Asp His Ala Gln Ser Met
 65 70 75 80
 Ile Glu Asn Pro Thr Glu Lys Ile Pro Glu Glu Glu Leu Pro Pro Ile
 85 90 95
 Ser Pro Glu His Ser Val Glu Glu Val His Gln Ala Val Leu Asn Leu
 100 105 110
 His Ser Ile Ala Lys Gln Leu Arg Arg Gln Arg Phe Val Asp Gly Ala
 115 120 125
 Leu Arg Leu Asp Gln Glu Phe Met Leu Leu Ala Asn Met Ala Val Ala
 130 135 140
 His Lys Ile Phe Arg Thr Phe Pro Glu Gln Ala Leu Leu Arg Arg His
 145 150 155 160
 Pro Pro Pro Gln Thr Lys Met Leu Ser Asp Leu Val Glu Phe Cys Asp
 165 170 175
 Gln Met Gly Leu Pro Met Asp Val Ser Ser Ala Gly Ala Leu Asn Met
 180 185 190
 Ala Leu Tyr Phe Cys Ser Gly Met Leu Gln Asp Gln Glu Gln Phe Arg
 195 200 205
 His Tyr Ala Leu Asn Val Pro Leu Tyr Thr His Phe Thr Ser Pro Ile
 210 215 220

Arg Arg Phe Ala Asp Val Ile Val His Arg Leu Leu Ala Ala Ala Leu
225 230 235 240

Gly Tyr Ser Glu Gln Pro Asp Val Glu Pro Asp Thr Leu Gln Lys Gln
245 250 255

Ala Asp His Cys Asn Asp Arg Arg Met Ala Ser Lys Arg Val Gln Glu
260 265 270

Leu Ser Ile Gly Leu Phe Phe Ala Val Leu Val Lys Glu Ser Gly Pro
275 280 285

Leu Glu Ser Glu Ala Met Val Met Gly Val Leu Asn Gln Ala Phe Asp
290 295 300

Val Leu Val Leu Arg Phe Gly Val Gln Lys Arg Ile Tyr Cys Asn Ala
305 310 315 320

Leu Ala Leu Arg Ser Tyr Ser Phe Gln Lys Val Gly Lys Lys Pro Glu
325 330 335

Leu Thr Leu Val Trp Glu Pro Asp Asp Leu Glu Glu Glu Pro Thr Gln
340 345 350

Gln Val Ile Thr Ile Phe Ser Leu Val Asp Val Val Leu Gln Ala Glu
355 360 365

Ala Thr Ala Leu Lys Tyr Ser Ala Ile Leu Lys Arg Pro Gly Leu Glu
370 375 380

Lys Ala Ser Asp Glu Glu Pro Glu Asp
385 390

<210> 3
<211> 1140
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (2)..(781)

<400> 3
g atc cac cgc gcc ttc ccc gag cag gcc ctg ctg cgc cgg cac ccc ccg 49
Ile His Arg Ala Phe Pro Glu Gln Ala Leu Leu Arg Arg His Pro Pro
1 5 10 15

ccc caa aca agg atg ctc agt gac ctg gtg gaa ttc tgc gac cag atg 97
Pro Gln Thr Arg Met Leu Ser Asp Leu Val Glu Phe Cys Asp Gln Met
20 25 30

ggg ctg ccc gtg gac ttc agc tcc gca gga gcc ctc aat atg gca ctg 145
Gly Leu Pro Val Asp Phe Ser Ser Ala Gly Ala Leu Asn Met Ala Leu
35 40 45

tac ttc tgc tcg ggg ctg ctg cag gac cca gcg cag ttc cgg cac tac 193
Tyr Phe Cys Ser Gly Leu Leu Gln Asp Pro Ala Gln Phe Arg His Tyr
50 55 60

gcg ctc aat gtg ccc ctg tac aca cac ttc acc tcg ccc atc cgc cgc 241
Ala Leu Asn Val Pro Leu Tyr Thr His Phe Thr Ser Pro Ile Arg Arg

65	70	75	80	
ttt gcc gac gtc ctg gtg cac cgc ctc ctg gct gcc gcg tta ggc tat				289
Phe Ala Asp Val Leu Val His Arg Leu Leu Ala Ala Ala Leu Gly Tyr				
	85	90	95	
agg gag cga cta gac atg gcg ccc gat acc ctg cag aaa cag gcg gac				337
Arg Glu Arg Leu Asp Met Ala Pro Asp Thr Leu Gln Lys Gln Ala Asp				
	100	105	110	
cac tgt aac gac cgc cgc atg gcg tcc aag cgc gtg cag gag ctc agt				385
His Cys Asn Asp Arg Arg Met Ala Ser Lys Arg Val Gln Glu Leu Ser				
	115	120	125	
acc agt ctc ttc ttt gct gtt ctg gtc aag gag agt ggc ccc ctg gag				433
Thr Ser Leu Phe Phe Ala Val Leu Val Lys Glu Ser Gly Pro Leu Glu				
	130	135	140	
tca gaa gcc atg gtg atg ggc atc ctg aag caa gcc ttc gac gtg ctg				481
Ser Glu Ala Met Val Met Gly Ile Leu Lys Gln Ala Phe Asp Val Leu				
	145	150	155	160
gtg ctg cgc tac ggc gtg cag aag cgc atc tac tgc aac gca ctg gcc				529
Val Leu Arg Tyr Gly Val Gln Lys Arg Ile Tyr Cys Asn Ala Leu Ala				
	165	170	175	
ctg cgg tcc cac cac ttc cag aag gtg ggc aag aag ccg gaa ctc acg				577
Leu Arg Ser His His Phe Gln Lys Val Gly Lys Lys Pro Glu Leu Thr				
	180	185	190	
ctg gtc tgg gag cct gag gac atg gag cag gag cca gca cag cag gtc				625
Leu Val Trp Glu Pro Glu Asp Met Glu Gln Glu Pro Ala Gln Gln Val				
	195	200	205	
atc acc atc ttc agc ctg gtg gag gtg gtc ctg cag gca gag tcc aca				673
Ile Thr Ile Phe Ser Leu Val Glu Val Val Leu Gln Ala Glu Ser Thr				
	210	215	220	
gcc ctc aag tac agc gcc atc ctg aag cgg cca ggc acc cag ggc cac				721
Ala Leu Lys Tyr Ser Ala Ile Leu Lys Arg Pro Gly Thr Gln Gly His				
	225	230	235	240
ctg ggc cct gag aag gag gag gag gag tct gac ggt gag ccc gag gac				769
Leu Gly Pro Glu Lys Glu Glu Glu Glu Ser Asp Gly Glu Pro Glu Asp				
	245	250	255	
tca agc acc agc tgagctccac cagccgcctg ccccgccctgc cccgcctgcc				821
Ser Ser Thr Ser				
	260			
tgtcccgcca cactggcttt aggacctgtt gacacggagg ggggttttta atttggtttt				881
taacaactca ggggttttgtt tttattttta ttttaattttt gcagctcaac ttttaacaa				941
actgcagggg agaggggtggg gctggaagga aggctgaggc ctggtcagca gtgacccag				1001
cagagcaggc cccagtcctc ctgggaggct ggccccctt ttttctgggc cctactgcc				1061
tcctctgccc aggaaatggg ggggttttcag caactcagtg tcacagaata aaatcaagt				1121
tggagtgcc taaaaaaaa				1140

<210> 4
 <211> 260
 <212> DNA
 <213> Mus musculus

<400> 4

Ile His Arg Ala Phe Pro Glu Gln Ala Leu Leu Arg Arg His Pro Pro
 1 5 10 15
 Pro Gln Thr Arg Met Leu Ser Asp Leu Val Glu Phe Cys Asp Gln Met
 20 25 30
 Gly Leu Pro Val Asp Phe Ser Ser Ala Gly Ala Leu Asn Met Ala Leu
 35 40 45
 Tyr Phe Cys Ser Gly Leu Leu Gln Asp Pro Ala Gln Phe Arg His Tyr
 50 55 60
 Ala Leu Asn Val Pro Leu Tyr Thr His Phe Thr Ser Pro Ile Arg Arg
 65 70 75 80
 Phe Ala Asp Val Leu Val His Arg Leu Leu Ala Ala Ala Leu Gly Tyr
 85 90 95
 Arg Glu Arg Leu Asp Met Ala Pro Asp Thr Leu Gln Lys Gln Ala Asp
 100 105 110
 His Cys Asn Asp Arg Arg Met Ala Ser Lys Arg Val Gln Glu Leu Ser
 115 120 125
 Thr Ser Leu Phe Phe Ala Val Leu Val Lys Glu Ser Gly Pro Leu Glu
 130 135 140
 Ser Glu Ala Met Val Met Gly Ile Leu Lys Gln Ala Phe Asp Val Leu
 145 150 155 160
 Val Leu Arg Tyr Gly Val Gln Lys Arg Ile Tyr Cys Asn Ala Leu Ala
 165 170 175
 Leu Arg Ser His His Phe Gln Lys Val Gly Lys Lys Pro Glu Leu Thr
 180 185 190
 Leu Val Trp Glu Pro Glu Asp Met Glu Gln Glu Pro Ala Gln Gln Val
 195 200 205
 Ile Thr Ile Phe Ser Leu Val Glu Val Val Leu Gln Ala Glu Ser Thr
 210 215 220
 Ala Leu Lys Tyr Ser Ala Ile Leu Lys Arg Pro Gly Thr Gln Gly His
 225 230 235 240
 Leu Gly Pro Glu Lys Glu Glu Glu Glu Ser Asp Gly Glu Pro Glu Asp
 245 250 255
 Ser Ser Thr Ser
 260

<210> 5
 <211> 49999
 <212> DNA
 <213> Mus musculus

gtacaagctcc	agaacctcac	actgaaaccc	aagccttggtg	atgttcttag	tggtagacatt	60
cttatttcacg	tagtaaatat	tgaatggtat	ttgttgcaact	cagataccat	acaaggtatt	120
gaaaatctca	gacatttccc	catccagaca	gaagtcacatc	tttcttagtt	gtagttgtct	180
attctccctt	ttccctggct	gcatgtttta	aatttcttac	agtaaaaggca	tattgcaact	240
taaaagcaaa	agtcattttg	agacattttc	gcctgttttt	taataagtag	atgagatatt	300
ggagtgcatt	tgtaggctga	gtgaaagaca	gacaaagtga	ggaaggagtc	acagtttggg	360
agcctggtaa	agaaggactc	agcctatgag	agcaatgagt	tcccacagga	caagggtcag	420
ctcttctcct	acctgacta	gaataaaggg	aggggctggg	aatggggctc	agtagaccat	480
gggaagggtga	ttcgatgctc	ctctgcagg	tcccaggggg	taaatgtcat	tttccctgca	540
ctccagggcc	agttctgttc	cattctgttc	tcctgccaga	ctcttttttt	tttttttaca	600
gtttttttta	attaggtatt	ttcttcattt	acatttcaaa	tgctatccca	aaagaccccc	660
cataccctcc	ccccattcc	cctaccacc	cactcccact	tcttgccct	ggtgttccct	720
tgtactgggg	catataaagt	ttgcaagacc	tatgggcctc	tcttccaat	gatggccgac	780
taggtcatct	tctgaaacat	atgcagctag	agacacgagc	tctggaggta	ctgggttagt	840
catattgttg	ttccacctat	agggttgca	acacctttag	ctccttgagt	acttctctta	900
gctcctccat	tgggggccc	gtgttccact	caatagctga	ctatgagcat	ccactctgt	960
gtttgccagg	catcgcatg	cctcacaa	gacagctgta	tcagggtcct	ttcagcaaaa	1020
tcttgctggt	gcatgcaatg	gtgtcagcat	ttggaggctg	attatgggat	ggatccccgg	1080
gtattcctgc	cagactctta	agcccggacc	agagttttac	gtcttctca	tagttcagtg	1140
ccctctaccc	agaaaacact	ttgccttgg	tttactgtt	ctgtttatc	ctgttgctta	1200
gtgagatggt	gggccccaaa	taagcatgtg	catccccagc	agccaccca	atcctatgaa	1260
cttgcatgct	gggagttgtg	gagtgtctca	ggtagccctg	ccatgcttcc	ccacagagct	1320
gctcttcatt	tccttaatga	ccctgtgga	ctttcatacc	attaacctgc	cagatgccac	1380
cactgaaaa	cttgtattct	tcctgggcta	ctgtggtcca	aagcaagact	cccacagtc	1440
catgtagctt	aaggctttcg	ctaaaagcag	tgttaggtgc	tgtgtttcat	accataggcac	1500
ctactaata	acctgagaaa	ctccaggagg	aagttagctt	aaagcctagt	tctgagaatc	1560
agaaattggt	cccataatct	ctcctcttag	tcactacaag	gggcagagcc	tagctgtttt	1620
atttcaggac	tgtcgggtgg	acctctgtag	caagggaggg	atggaaggag	ctgctgttcc	1680
atatccctca	agtcccagtt	ttccactgaa	gacaccagcc	agctagatgg	cttccctaag	1740
gtcacatcag	aggagcaacg	gaactcagtt	gtgaagcagt	gaagcttgag	gatgaaaagc	1800
agaatccaaa	atgaaacatt	ttcaagatat	gaaatgaggt	gtttgtttca	gtaagcagca	1860
gaaaagggtta	tgggtgtggag	tgtcttttca	aggacaaggg	gctttatgag	ctggcttaca	1920
atggacctgt	tcaaaggaag	gctgggggtac	taggtttacc	aggcagaagg	tatctgtgat	1980
gtttctctgga	tccagaattc	ccccaccccc	cacccccact	gctacttccc	acattctcct	2040
tccttctccc	tccttctctc	cagtttccct	tcgttacaga	gagatgagtc	ccaaacatga	2100
gcctttaatg	ggggactttt	gggtagcac	tggaaatgta	aacgaggaaa	atacctaata	2160
aaaaatattt	aaaaaaaaaa	gatgcctcct	gccagtcttg	aggacagtgg	aacactttga	2220
agattatacc	tgcttgagta	cctttaccca	ctgttacggg	aacacaattc	ctatctcctg	2280
gccacagcta	gagtttcggc	tcctctagc	ccaatgggtc	tcagccttcc	tgatgctgca	2340
accttttgat	acagttcctc	atgttgagg	gacccccaac	cataaaatta	tttcatagct	2400
acttcataac	tataactttg	gtgctgttat	aaacctaat	gttagcaacc	aacatacagg	2460
atgtctgata	taattccaaa	ggggttgcaa	cccacagatt	gaaaaccctc	gatctagatg	2520
ctgtatgtgg	caaagatttg	gtttcctctg	cttctgtgtc	tttggtttag	aagcttacat	2580
agctgtcatc	agatcaggat	gggaaaggac	ctaattctct	ttgagactga	aggacaagcc	2640
agtgagtgat	aagattgtat	agttaattcc	agcttcttct	ctatgcagac	tctaccatgt	2700
gcacaaactg	acttagaacc	caaacaggct	ggctaacttg	gaaccagcca	acctgtgttg	2760
ctgggcttct	aaggcactgg	tcctttccca	gccactgggtg	gtcttgacac	agcaagagca	2820
agcctgtgag	atgaaaggag	ctgctgctgg	tgggaggcag	ccttgccaca	gtttcattct	2880
gcctgtctgt	ctttctcttg	ttgtcagtct	cattctgtca	cctcaggcct	cagtttagag	2940
agggccta	gaaggaggac	ccccaccct	gccccctgct	tatatgaagc	caccccatag	3000
ttctgacta	gttagtcaca	ggtcattcca	taaggtaatca	gcttctcttc	catcaagcaa	3060
cctcctgccc	tttgctgtcc	cgcctctccc	acctgtgccc	aagtcatttt	cagacacttt	3120
gttcttgaca	ccttttactg	tccttttggc	caggatggct	gggatggcca	ggacggccat	3180
gttggtggg	atagccatgt	tgaccagact	agccttgctt	tcatagcttt	aagaagcagc	3240
agcaatctgc	tgcccccagg	caccaccacc	actccagaca	gcctgctttt	gttccagtea	3300
ggaaagtgt	tctttctgcc	ttccaggctt	tttgaactaa	aagttctgta	tgagggaagcc	3360
cagaggttca	gaactcattt	cacatctagt	tatttataat	ttaaaattag	ctctatttagt	3420
agttttttga	accaaattag	tctcaatgag	tttaataattt	tcagagaata	attttttaaaa	3480
ag						

tgtgtgtgtg	tgtgcgcgca	cacacacatc	cacatgaatc	cactatatat	atatatatatt	3720
tttttactct	gaaccttcag	gtatggacct	aagagtttgc	atgattcttg	agtatttccc	3780
acctgattgc	ccagcttccc	ctgggtgtgc	aaagtgatgc	tcaaaggctg	tgtacctgag	3840
gctgggacca	gcagcactga	gtaggtcagg	aggggatacc	tccttagata	atgggtttct	3900
cagccatgtg	tcttcagtct	gtggagagac	tgtgcttaag	ctgacattct	gaacagtggc	3960
acccacagct	atgtgctaga	atcctgtgta	gagttcagtg	tggcctgaat	cctgtggtta	4020
tgcaaaggag	gcaggacacg	atctcctcag	gggtactgtc	catgtgttcc	ctcctccttt	4080
tttttttcta	ccttttccat	gaaaagccct	ttgtcttctg	ccactggctc	tggttatgga	4140
cttggtgttg	atgtgagtac	agttttcaga	ttggaaatta	atgaggtgtt	ccattgagag	4200
aagcctgact	tctaccctgg	ctggctgtct	ccagggtttcc	tccatgtggg	tctttgctgc	4260
tttctctgtg	ggcagctgcc	cttggtgtgc	attcttctat	tggctttccc	cagaggtact	4320
ttcaagactg	ctttcccagg	ctagaaacta	ttctagtaca	tgtcagctgt	gcctcccaca	4380
agtcccaagc	catggttaaag	ccagacagcc	ttggctgaga	agggaggttc	gaaaaggctc	4440
tcctttgtat	gtttgtgaag	aagggtgaa	gggcaaaaga	ggaagggaag	tcaggtaaaag	4500
atgctatgga	aaccagcacc	taaagtgaag	agtttggtag	tgtccatgtg	ggcattggag	4560
aaaggctgtc	ttgacaagaa	ggaaacaaag	aagcagaggt	acctattagg	tagaacaggt	4620
gcttctaata	agatagtgtg	ctattagtag	gcatgtagcc	aggctctggt	gaggaatagt	4680
aggcaacata	gggtgacaca	tggctgctag	tcagggtcca	acaatcagag	gggactaagg	4740
aagcaactga	tgtgtagagc	caagacatgt	gggcatgtag	gcagaagaac	atctaagagc	4800
tttgtacagc	ttactgtaaa	ggtttgtgca	taaaacttag	aatgctctga	gcactcatca	4860
gattctacag	ctgttcttgc	tccaactttg	tacagcagaa	atctgctaata	tgtgtagtag	4920
ttaccttcac	ttgagtgtca	tgtactagga	aggaggatgc	aggccacagg	aggacagata	4980
tcaagacctg	agtgtgggga	ggagttcatg	agctagctca	ctgggaggtg	taggaatgaa	5040
aagggtggga	cacaatgtaa	gctgccacca	tctgtcagca	ggctgaaaac	agactgccta	5100
acacacatgt	acacaggact	gagctgaggg	agaactcatt	tgggaagaaa	attaagaaaa	5160
gaaagaagca	tagtgtccac	acttcagctc	tcatTTTTCT	tgagtttcat	gtgttttagga	5220
aattgtatct	tatatcttgg	gtatcctagg	ttttgggcta	atatccactt	atcagttagt	5280
acatattgtg	tgagttcctt	tgtgaatgtg	ttacctcact	caggatgatg	ccctccaggt	5340
ccatccattt	ggctaggaat	ttcataaatt	cattcttttt	aatagctgag	tagtactcca	5400
ttgtgtagat	gtaccacatt	ttctgtatcc	attcctctgt	tgaggggcat	ctgggttctt	5460
tccagcttct	ggctattata	aataaggctg	ctatgaacat	agtggagcat	gtgtccttct	5520
taccagttgg	ggcatcttct	ggatatatgc	ccaggagagg	tattgctgga	tcctccggtg	5580
gtactatgtc	caattttctg	aggaaccgct	agacggattt	ccagagtggg	tgtacagacc	5640
tgcaatccca	ccaacaatgg	aggagtgttc	ctattttctc	acatccacgc	cagcatctgc	5700
tgtcacctga	atttttgatc	ttagacattc	tgaactagtgt	gaggtggaat	ctcaggggtg	5760
ttttgatttg	catttccctg	atgattaagg	atgttgaaaca	ttttttcagg	tgttctctctg	5820
ccattcggtg	ttcctcaggt	gagaattctt	tgttcagttc	tgagcccat	tttttaatgg	5880
ggttatttga	ttttctgaag	tccaccttct	tgagttcttt	atatatgttg	gatatttagtc	5940
ctctatctaa	tttaggatag	gtaaagatcc	tttcccaatc	tgttggtggg	ctctttgtct	6000
tattgacggt	gtcttttgcc	ttgcagaaac	tttgaggttt	cattaggtcc	catttgtcaa	6060
ttctcgatct	tacagcacaa	gccattgctg	ttctgttcag	gaatttttcc	cctgtgcccc	6120
tatcttcaag	gcttttcccc	acttttctct	ctataagttt	cagtgtctct	ggtttttagt	6180
gaagttcttt	gatccattta	gatttgacct	agtgtggaca	ctatgcccct	ccttagaagt	6240
gggaacaaaa	cacccttgga	aggagttaca	gagacaaagt	ttggagctga	gatgaaagga	6300
tggaccatgt	agagactgcc	ttatccaggg	atccacccca	taatcagcat	ccaaacgctg	6360
acaccattgc	atcgcctagc	aagattttat	cgaaggacc	cagatgtagc	tgtctcttgt	6420
gagactatgc	cggggcctag	caaacacaga	agtggatgcc	cacagtcagc	taatggatgg	6480
atcacagggc	tcccaatgga	ggagctagag	aaagtaccca	aggagctaaa	gggatctgca	6540
accctatagg	tggatcaaca	ttatgaacta	accagtaccc	cggagctctt	gactctagct	6600
gcataatgtat	caaaagatgg	cctagtccgg	catcactgga	aagagaggcc	cattggacac	6660
acaaacttta	tatgccccag	aacaggggaa	cgccagggcc	aaaaaggggg	agtgggcggg	6720
taggggagtg	ggggtgggtg	ggtagtgggg	acttttggtg	tagcattgga	aatgtaaatg	6780
agctaaatag	atggaaagga	aaaaaaaaaa	aaaaaaaaaa	agaaaagaaa	gaagctacgt	6840
ctctagagaa	aacttttttt	tttttttttt	tttttttttg	gtttttcaaa	acagggtttc	6900
tctgtgtata	gtcctggctg	tcctggaact	cactctgtag	accaggccgg	cctatgcctc	6960
ccaactgctg	ggattaaagg	catgcgtcac	cactgcccgg	ccaggggaaa	ctttgagacc	7020
acaagaatga	agaggtcaga	gccattttcc	ttatgaagga	ggctgaggct	ccattcagga	7080
attgtgggta	tgctcggatc	tcaagcctgg	tcacttggat	ggcttcttgt	agagaccttt	7140
agctgcattc	gtctccaaac	tgcttcccaa	cccctggaac	gggctctgaa	gctgtccttg	7200
cctatagcat	gcaaggcctt	gtgagtacca	ggtagtaggc	ctgatttgta	gagaagacag	7260
gatctcatag	agtctcttgc	tatttgcaat	agggatcatt	cttggaaata	tccgaaaagt	7320
agagtttaag	aaattttgaa	gaaaaaaaaa	tctaataatta	cagattccag	acttgttata	7380
tagaagaaga	agaagaggag	gaggaggagg	aggaggaggga	agaagaggaa	gaagaagagg	7440

aagaagaaga	ggaagaagaa	gaggaagaag	aagaggaaga	agaagaagaa	gaagaagaag	7500
aagaagaaga	agaagaagaa	gaagaagaag	aagaagaaga	agaagaagaa	gaagaagaag	7560
aaagaagacga	ggaggaggag	gaggaggagg	ggggggggaa	gaggaagaaa	gaagaagaag	7620
gagacggaga	gaagaagaag	gagaaggaaa	aagagaagaa	gaagaaggag	aaggagaaaag	7680
agaaggagaa	gaaggaggag	gaggagaagg	agaagaagaa	gaagaagaag	aagaagaaga	7740
agaagaagaa	gaagaggagg	aggaggagga	ggaggaggag	gaggaggagg	aggagggaaga	7800
aaagtgaaca	gtagggattg	gagagatggt	tcagtggtta	agagcactga	ctgctcttct	7860
ggaggtcctg	agttgaattc	ccagcaacca	catgatagct	cacaaccact	tgtaattgga	7920
tccgatgccc	tcttctgggt	tgcttgaaga	cagctatagt	gtacttgtat	taataaaaat	7980
aaataaatct	ttttttaaatt	tttttttaaa	ataatgtgaa	cagtaactgc	tgttctccaa	8040
gtgccctgt	tgctattttt	aaaaagccat	agttctttct	ttcatggagg	gtgatcaatc	8100
acaagggtca	ctgcatacat	ctaggataga	agctgtgtta	catagattcg	gtgtgtggag	8160
agttgctgag	ttcctctctt	tccttctttc	tcaaagggat	cagccaggcg	tcatagtcct	8220
atctcgtgtc	tcaggcagct	atcctatctt	ctcttccttc	tttgtgacat	tgatgaccat	8280
tcatccaaac	aattgaaac	acttcccatg	ggccattcag	tgcaagtctt	ccacgtggcc	8340
ttgctttgtg	ctgggggaaga	gtgtagacct	cagctgtctc	ttgaattctg	ctagggcctg	8400
gtagtctaaa	ctgccagaag	gcagcaacct	ctgcattttg	ttcatccatg	tggccaccgt	8460
cagtgttgag	agagagagag	aggagagaga	gagagattaa	gtacagtctg	tctttgcaga	8520
tccctgaaga	gtggtttggc	cgcactatca	tcogttcttg	caccaaactg	agctacgacc	8580
atgccagag	catgatcgaa	aatccaactg	agaagatccc	tgaggaagag	cttcccccaa	8640
tttctccaga	gcacagcgtc	gaggaggtgc	accaggcagt	cctgaacctg	cacagcattg	8700
caaagcaact	ccgccgccag	cgctttgtag	atggcgcact	ccgtttagat	caggtcagtg	8760
agtctctttt	gttttatgtg	gtcttgagtt	tggcttgtgc	ccaaaactca	agggtgagaa	8820
atatcctggt	ggcctctttc	tctccaccta	ttccctctgc	ccctgccaca	ccatggtaat	8880
atgagttagg	gtaagatggt	atctgtgtac	agagttctgt	gactcccagc	tgctcttacc	8940
tggaaaacct	gtgtccatga	ttgaattctc	acttgtagat	ggcattgctg	tgacaggctc	9000
ctgggacaaa	gaagggagga	aggcatattt	tttggcttgt	ggtttcagag	gtctctggaa	9060
catgactctg	ttgtttctgg	cccatagttg	ggggcggggg	gtggcatgtg	agaagtatgt	9120
ggcccagtgg	agctgcttgt	ctcatggcag	ccagtaagca	gagagacaga	ggcatgtgaa	9180
ggagcagagg	caagatagac	tttccagggt	acacccccag	tgatatcaat	gaatccaaca	9240
gctggttctt	tgagaagata	agcaagattg	acagaccctt	ggtccaagta	gccaaaagaa	9300
ataaagaagg	cccacattaa	cagagtcaga	aatgaacagg	gaaacattac	aacagatgcc	9360
taagaaattc	agagtttcat	aagggcatac	tttaaaaaac	tgtactctat	tagaaattga	9420
tgagttttcta	gattcagcca	aaccacccaa	attaaaccaa	aaagaagtca	acaacctaaa	9480
cagacccata	acaaataaga	ttgaaacagt	aaaaacaaaa	caaaacaaca	aaaaacttcc	9540
agctacaaag	aaaaatctag	ggccagatgg	attcacagga	aaattttacc	agatgttcaa	9600
agaagatttg	caccgagttg	tctttaaact	attcaaaaag	tagaggcaga	gggagcactc	9660
ccagggtctcc	tctgtgaagc	ctttatgtca	ccagttctct	ccgctcatgg	agattacttc	9720
ctctgctcct	tgcttcatgc	ttggtgtcct	gaggctgcag	cccaccatcc	tgctatctcc	9780
accaacagtc	cctccctgat	tccaagaggc	taagttgatg	ctaatgacac	cagaacttgt	9840
gtctgacctt	tctccctcac	tcaagcctag	cttctttacc	tgcccttatct	gcctgactgc	9900
ccttcagcag	cacagtgggtg	ctcactcacc	cttcttctct	cagaaagcag	tgcttgatgc	9960
ccacagcatg	gcacacaggc	ttcccagcat	cctcttctcc	cactgatata	ctggagcatt	10020
ataatattgc	ccccaaccca	agtgtagccag	tcgcacagat	ttttgtaatt	atgcttagac	10080
taaacatttg	acagacagat	cagatacaac	tctcaaaagg	aagctgttta	ttctgtaaac	10140
acatccatgt	tttagaaaga	caagtcttca	gaatgtcttt	aggaagactg	aagtcacttt	10200
acaaatgaac	cgtggggctt	aggaaagtct	ttagaaaatg	aattgggttt	agttttctca	10260
aaaagactag	gaatctatga	tgttggcacc	tataatctca	tctctcagga	agccaaaaca	10320
ggaagattga	aagttcaagg	ccatataaga	tgtatgtcaa	gatcatgtgg	caaggaagaa	10380
taagaggagg	aagcagagga	ggaggaagag	gaagaggagg	aagaggagga	agagaggagg	10440
gaagagggaag	gaggaggagg	aaggaagggt	gagagaaggg	caataaaaaag	aataaaattta	10500
gttttctctc	actctgtagc	tcaggttgaa	cttgaactca	tggtgagccc	ctgcctcag	10560
cttcccaaat	ggtaggatta	taagttgtgag	ccaccaaac	agatactaac	ttgtattctt	10620
taagtcttac	tttttttcaa	aaatgggtta	gaaacatata	tctatgtaaa	ttaagttata	10680
atacaaaatg	ttaggttgta	tattatgtat	gccttttctg	catgattctc	ttatttactt	10740
aactttttaca	atgaaaaacc	agctgttacc	caagcccctc	aaatgaggaa	gtttctgaag	10800
taccattttcc	agatgtttcc	ccactaagat	gctataataa	aattcaactg	gattaattca	10860
tctgtgaaac	tggagggagg	gggagaaaaat	agcggcaact	tatctctgtc	ccattggaag	10920

aattaaggtt tgaaagtaat gaatttgtat ccttggagtt gatcccttca ttcgccagaa 11280
aacaagtctg tagaccccca cataagatgg agacatcaat ctttgcagcc aaggacactg 11340
gtgaggcgt ttataaatca gctaaatggc tttattcaga agccctgcgt ttgttctccc 11400
gtccctgttg ccttctttgc cctcacaagt tcatttttcc ttggtgcctt ttcagtggcc 11460
tgctgtttgc cattgttctc tgaagctttg tctgccatag ttcactgtgt ccatgttttg 11520
gggtggtagtc ctttaaaaaag cacatccttt tatgtcagca gcaattagag atcgggtcttc 11580
agccaatcca aaggctttgc ctttcaaaaa aacaagggtt gaagaacccg aaaaagaaca 11640
aagaagaaaag cccaagcaac aaaaaggggc ctggttgcaa aagcaaaaaa aaaagcccca 11700
aaaaggcaaa aaggcaaaac aaactgccc aacacaggct tccaaggcta tctagtgtt 11820
caaaaggtga ttctcctttg ccccaaaagc tgagtggctt gtctctgaat ccatgttttc 11880
tttggctcgt gagttgaatg atgacccttc aaatgaccac tttaattatt tgtttataat 11940
agctaccagg gtagttcaag gacttggtag ataatggggc caagacttct gtatctgtag 12000
atatgtctct cccgaatctt aaaagaggcc ccatatactg agtttgatgc aaggggagcc 12060
aagaaaagga atcacagtgg ttccataat ggcagccct ggcagctgc catctagggg 12120
atctgagggg ttttgctcct gactagcaca ttaaaaccct gaaacccttt tgggggttcta 12180
ggaagataga tctgctggc aaggatagta tggtaaggta atggggtgcc aaacagatcc 12240
ggtcagctat tgccttcaga gctgatgtca ggaaactcca cgccctgctt tctgaagctc 12300
tcaatataag actaacattg gctgatgtca gacttctatg tgaacaaaac tagaagtttg 12360
tctgaacctg tttctcttca gccaggctaa gttaaaacta tgaattcggg gggccttgga 12420
cagagatcag acaagttctc ccagcaggca atataaagta aaggaggctt tactaagttc 12480
agtcaaatga aaaaaacctg agaaaaattc cacagttttg aggcccaagc tccatgcagt 12540
tcagctctgt catctctgaa acctacttga gacacttttg aataccctgg gactcaagct 12600
ttctttgtaa aggtagcctt tctaattggaa agcatagcct ttcaatcagt gttggcaggc 12660
gtgtgagtct gtaatgtttg atccctaacct atgagctcct ggtccatag gtctgtctct 12720
tttccaggga aaggccagac agtaaatgac atgaatgggg gtagtgaag gtcactaaga 12780
gactcagccc tgcctgttaa tgtgctccaa aaaatattat tcttcatttg attatttttc 12840
cttggatttg atatcatttt cacagaccac gctccccggc catgcaaagc aagttaaact 12900
aagtatttaa aaatgtaaaa attcttcttt tgaccaacaa gcttttcagc cctattaccc 12960
gtgtcccaca catcactgac cctgcttaac cccaggaagc caggctagga aatggagaac 13020
gccaagcctt gagcagctca ttaccacttc ccatacaatt aagtaaatta ttcttttgat 13080
agttgggcta agtgacttct caggtggggg ctggaagtaa gactgactga cccccaacc 13140
tagtaccacg cttagggggc ttcccaaggc ccagtcctct tagcttgaag ccaaagagct 13200
ccagcacagt tcttttgccc tccctccctt ggtcctctga aggtagagac tactccagga 13260
agcactctct ttactcctct gcaggacct cctcctctga aggtagagac tactccagga 13320
cctagctccc cccttctcct tccctccctt ggtcctctga aggtagagac tactccagga 13380
agagcaggct atgaggaagg tgggtagctt ctctcctggc tacctgtctg cagtgtctat 13440
tacagcagag tgttctctct ctctgccata gatagctgca ttctggatgg ctgctgtca 13500
gtgttgctct ccgatgacat tgggtgtagt gtggagaatg ggcaagccct tctgggttcc 13560
tttagcttta gtgtctgtgt caactcaaag tacaacatag tccaaggccc aggcctctgag 13620
gtttttcatt cagagagttc ttactcagc atagcttcag agacctgtt agtttcaggt atgggaagg 13680
gtgtgtgtgg aggggtgag aatgtaaatg aggaatgaga ctgggtggaa gtgcttgctg aacttgaaac 13740
aggcagtga ccactagaca gtaagaagca ctgggtggaa aacctgttag aatccatgt 13800
tgaggaatga ctctgccca aaaccagtg tctccttag aacagacacc atgaccaagg 13860
gcctgaagca tactgtctta atttaattgg ggctggctta cagggttcaga ggttcagtc 13920
caagtcttat aaaaaacaac atggcagtat ccaggcaggc atggcccagg aggcactgag 13980
attatcatca aggtgggagc atggcagtat tggaaaactg acttccaggc aactaggggtg 14040
agttctatgt cttcatccaa aggtgctag accattcca accagggtcat acctattcca 14100
aggatcttat actcacacc acagtgcac cctggtccaa ggatatacaa accatcacac 14160
acaaggccac accttcagat ggtgccactc cctggtccaa tcatgtgtaa ctctgtctc 14220
ataccaagag ctttctgtcc tctctgatct tcatgtgtaa ctctgtctc 14280
tttgtgcctt tcaactcctg taatatgtca cagagatcat ttgtgttgac cgaaaatccc 14340
tctgttattt atcacacaca cacacacaca cagcagctct ttagggtagt gacagtgggt 14400
cacacacaca tacacacaca cagcagctct atttaaattg agacagcaca tggcttact 14460
cagtgggctt ctgctacttc ttttctcta ctttctgct ggaaggggtg ggagctgcac 14520
tggtatattt gcaactcact ctggactctc aggggtagca ctggaaacct ttcttttgag 14580
getctctgtg aactcagac aacacagcct acagtgggtt ggaattacag aaaatagtc 14640
ccttcaccac agagaatcag actgtacatt aatttcatat ggggtggttg ttagtaccat 14700
agtgcagat cagtttagtt cttgttagat gaatttctct agagccattt ctcccacttc 14760
tacttatgca cacatccttc ctctcctgt gacacaacat tgaatgcaga ctgacacttg 14820
ctgcgtctc cctatactca gtttaccttg gaagttgtta aacagcagga acactgctcc 14880
caaaaaacttc agaaaatcct gctctctcc ctaagactgc ataccaagta 14940
taacactgct cctacagcag tgggaagcag atgtcctacc

gaggagaaca tatggactta gcaaaggagg ccgaggggat ctcaagcacg atgggggagt 15060
gatgggagtg aagggcaagg acaacctgct caagacagct gtgcccactg atgagcatga 15120
gaagagccag aggcagcttc tccctcctct agctgaggct gagactggac acttgtgaca 15180
cacggagggtg aaagtggctc tgtctacccc gagatgggtt agatgaaagg aggcaaaaaa 15240
gtagccagag atagagccac accctctgcc agctggaaca cttgggatgc ttccccactc 15300
ctccacctct gctattacct tgactgttgg gtgtctttcc aggcaggatg tagtgaggcc 15360
tgaagctgga actgctgcag ttggtcaaca ggctgtttca gaagaacact gagtctgctt 15420
tctaagtaac tctagaaagc aagtttggct cctagccac ctctagaagc ttttgcttgc 15480
cttctggttc actctgcatg ttgatgtcta gcctcatttc ttccaggcca aaaaaaaaag 15540
cattgcttca tgctgtctgc tatattctct ggggttcacct ctctctggac ctgaagaatc 15600
tgaatactga aatcctctgc ttgttccaag tggggctggc tcggccaacc ctctctctca 15660
gggtgccata gcccttcatg cctatctttg tcacactgtc cagttgtctt gttacccctt 15720
ctctaccctt gtctcctccc ctaagattca gttcctacag agcaaagacc acatgctatt 15780
gatctttcta tccctacttc ctgaacagt ctgcatttta acaagctgtt tgttcagggt 15840
ctctaacagc tgccatgcat gctggctctt ttaaataagg tactgctagc tacagtgggg 15900
agaatggaaa ccaaggctgt agatcagaat gtttgcata gagagttact atacagtgtg 15960
aaccaaggct gcccaagtaa actggctgtt acttaattct ttgccagggc atccagcatg 16020
tagaagagat gtggtgagga ctttctcagg tggagctgtc ctgataggca tgaggagtca 16080
gaaggcttca gtatgcttgg ggtcatcgac acttcagagg ttccccctca gattgggatg 16140
tccctgctgg ggatgtcagg aaggacactc ccaaagttcc accagagaag agagatgctg 16200
gtctaaaaag gcaaaaatta cctcctccca gagctactcc tcttacctct ggaatggggc 16260
agaaacaagt tggataggaa tggcaacctc tagtctttgc aggatcctga gaggactcca 16320
ccccctcccc cacctccgtt ttgctcagaa tggaaatggc ggctaccaga taaagacttt 16380
ctattggctc ttggggcttt ttaagaagag aacttaata caaccagggt tactcaaaca 16440
gaagttgctg accttcccag ggtacagtg aggggaggaa gggctctcat gctgaccaga 16500
agagacaaga acttctgtga cttaaacagg gcatggctag aacctcatt tctcagaga 16560
tgagattatt ttgtcttatg accttgacag atggaatgga atttggcct tctgggactt 16620
tgctttttgg gtaattgtac tcagttaggc aacctggga ctctctttat tcataggaca 16680
tactgcatat tcttgccctg ccccatgtc acactcacgt caattgaatg taagccagac 16740
agctacataa gaagcatgga atgctttgac gttggtaaaa cctgcattgg agaaagagaa 16800
cccttgacgc tgatccttag atttcaacca tgactgcttc ttgggactgg cccagttgat 16860
ttcagtttgt attcttcagt gcgctcgga ctctgtttcc taggccaag ctcttctgtt 16920
ctgttcattc tacactgagc tcctgcaaat gttcccttgt cctcaagaa cctgcggtta 16980
tcacagacca atggcagaaa tgtctggggg acaacataca ggtgttttat tttaccacac 17040
aaggatatat taaaaaaaaa agttagggta gtggtggccc acgcctttaa ttccagcact 17100
tgggaggcag aggcagggtg atttctcagt ttgaggccag cctggtctac agagtgaagt 17160
ccaggacagc ccagggtata aagagaaacc ttgtctcaga aaaaaaaaaa ttactaagct 17220
agggctatat agcttagctg ttaagtgtt acccaacaac atgagacctt ggggttcaatt 17280
tgctgcacaa cataaactgt gtagtggcca cacacctgaa atcccagcac tcatgaagta 17340
gaatcaggag aatcagaagt tcaaagccag tttcaaatat agagaatctg agtccagctt 17400
ggagtgcata aaacctgtc tgggaaagaa aaaaaaaaaa aaaaaaaagc agtgttcccg 17460
tacacatgaa gcattctatc cccaagacaa aggaaatata cgatgtgaca atatgaagta 17520
ggtttctaata acatttttag ttattgggg agtgtgaaga tatgcatcac agcacacaaa 17580
tgacgatcat aggacagctt acagcagtc gcttctctct taccacat ggggtccgaag 17640
atggaactcc agttgtcaga cttggccgca ggcgagttta tccactgagc ctctctccgg 17700
ccatgaagca gttactttac gttgactcgc ttgagcttgt tgggagcatg cttattatt 17760
gctttgtctc ctttggttgc ctgagagtag cttgcgagaa ttactagact cacacgttag 17820
accagatgt cttctgcctt ctgatgagga gcaagcgtgt gagtaaggag gggagcagg 17880
tcacagtcca agccgctcaa gtctgagctg caaatccttc attgtacaga cggctccgaa 17940
tcagaacact tcctgttgc acagtcagga cggttatagt ttttattgtt ataatgaca 18000
ttgtaattaa tacccttaca cagaaagtgt aaaagtcact tagaaatata aacatcataa 18060
actactaggt tgaagaaaat tgacttttct tgtgtcaatt cttaagatta actttgatta 18120
ttttattgta aaatgaatat atgttcatac tgttaacata tttaaataaa caaggaaaaa 18180
gtagccattg gctatgcctc acctagtaat aatacttaat actgttctact tcagagcttt 18240
tggtttcttg ggtgttttcc agaaggttgg actaattgag gtttacccca tcagagaaca 18300
gtgctatgct gttactcttc tcagcaaatt cagtttgggg ctttgcttta atctttgtta 18360
gtgtaagtaa cttggaagt gtgttccatt gtttgagttg ccttttttcc tctgtgtct 18420
ctatcaactc tcaggcctgt ctttgccagg tctgtgaaa gcagatgcta catcccatcc 18480
ctaggactgc caacagcatc agcacaggcc cctgctctga tcaaatacaa ccacctttt 18540
ccctatgaag atagaattat atacaataaa gtccaccatc tttagtgtat aggtccacaa 18600
gtccacaca taatcatatg tctaccatgg tcaaaatata gaatagtgtc ctaccacaa 18660
aagctccaca tgtgccttc ggtaggcaga ctgtctcact tatcctcagt cctagtaag 18720
ccacacatga gcatgcat acagggatca aaggtcaatt taaggtacca ttcttcagg 18780

gccccctacc	ttgtttgttg	aaaccggatc	ttttactgag	accagagctc	accaattggc	18840
tcgcctatct	aacagtaagc	tccaagtatc	gtccctgtctc	ctcctcccca	gcaactgggat	18900
tacaagcatg	tgccaccatg	ctcggctttt	aatgtggggt	ctggagacca	aacttagatc	18960
ctcatgcttg	catggaaaca	tgttccaact	gagctatctc	cctattctaa	tttttgccca	19020
tttcttaggt	gggtcttttg	gtttcctagt	actaagtttt	gaggattctt	ttgctatttt	19080
aaatagaacc	tctaccaagt	tgtgtgatac	tacaagccat	ccagctcatt	ctttcatccc	19140
ttgtcttatt	ctttctggct	cttctttatt	ccctttcttt	tgaaaagaag	tttttaattt	19200
tgaagcagtc	cagtttacca	atttgttcct	tatgttatca	aatctaagat	ttttgttttg	19260
ttcgttttga	tggtattatt	atttattatt	attattattt	aatgtatgtg	agtgcctcat	19320
ctgcatgtat	acctgcatgc	cagaagaagg	catcagaact	catcatagat	ggttgtaagc	19380
caccacgtga	ttgctgggaa	ttgaattgag	gaccactaga	agagcagaca	gtgctcttaa	19440
ctgctgagcc	atctctctag	tcctattcat	ttttttttaa	acagctctgc	tatgtagctc	19500
agactggccc	caaaactcaag	atctctctga	ctcagcttcc	caagtgtctga	gattacaggc	19560
ttgttctctc	aactcctggc	atgagaaatc	tttaactgac	ctagaatcac	agattttctt	19620
ctagaagtct	tatagcttca	gaattttatt	ctactttctc	tcttctttaa	taaacacatt	19680
cctaggccca	gacatttctt	ttggaaaaaa	gttccaataa	cagaactgga	cacacctgag	19740
cagatgtagg	gtagagtcag	acctgggagt	cttgccaggc	acagtaccct	cctggagcca	19800
tctgcaaaga	agttacctca	ggagtggcct	gtaagcagat	cttctctggt	tttaaagact	19860
tggcataaaa	ctgaaaagtg	tatcttttga	atcagggagc	agaacgataa	gagagaaatc	19920
tctcagctct	ctagacaaat	cctcttgact	atcacagagc	tgatggtgag	cggagccaag	19980
caagactttg	tcgattacat	gcaaacgccc	aagtcagtga	ctcactcaat	catgctttaa	20040
tctcataact	cagtggtctt	aaaaattaca	gtcaacaagg	cagctcgtgg	gttacaactg	20100
ccattggaa	taggttttct	ctgaacagct	ggagtgtaat	gtggtgggaa	gaaagcctgc	20160
tgtgggtgag	aggccaaaga	ctgtttgcct	gggaaggatg	tgcaactaac	gtttgataaa	20220
aatctgtgaa	atgaccaccc	tcagccaatc	taagtagagg	cctgccattt	tcatccatgg	20280
gaaagtgcac	cacagcaaaa	gcattcagaa	ggcactggta	agacagtggc	agtcaccatt	20340
catcagacaa	gacagccctg	acttcaggaa	gtgtcaggag	tcagagtatg	agtatggaat	20400
attaacagag	caggcagaag	attccaattc	tagtcaagga	gggccagtga	gagagaacag	20460
tttggggaatg	gcttctctga	acagatccag	gcagatcagt	gcagtcattt	gctatgttct	20520
aaaatgtgta	ggcctctgcc	atagctgtgt	cacggaggat	atataaacag	gctgttcttt	20580
gaggacctca	ttgggctgtc	cccaggcaca	aacattttct	taatttcaat	gtagaagctg	20640
ttaccacacag	gagagatgga	gtaggacttt	ggtttcagag	ccctatctat	agcagctttg	20700
ttgagacctc	actggaaaag	ctcaagatag	gacatcacac	aaggcattta	gaagcttgta	20760
gcagtcacac	gacatcagac	cagacctgac	aggaagaaac	aggtgagtct	caagaggggt	20820
catcaggatg	ctcacgagtt	tctgcttgca	cagcatgggc	atatggtatt	accaggagaa	20880
gccatctatc	tgcccatagg	ggacaagcag	acatcagttg	ggtgataggg	acatgaaaac	20940
tttctggccc	atctttatat	ctgttccagt	gaaagatgtg	tgaggtcctc	acccctgaag	21000
gctctatact	tcctctcct	gctagacagt	ctagcgagac	taggaagcaa	cacagaatct	21060
agatgaggcc	tctgtgagct	gcccagggtc	ttaggagtgg	agtggggcag	gacccgttac	21120
aagagtacac	ccccgcgcc	cgcaatgagc	ccagttgttc	actatggggc	cgggaacatc	21180
accagcagcg	ccctattggt	cctggcctgc	tccctctctc	ccttacctcc	tcactcactc	21240
ttcccagctc	gcattttctc	gcttgtttaga	gagagaaaaa	aagtgaattc	actcccagtc	21300
cttttgaaac	ccaatgtgtc	agtgatcgat	gaggctgtat	tctctaactt	caaaggagaa	21360
aaactaagta	gagtgaatac	tggccagggg	agttgaaaag	ttccaggggag	taggagacac	21420
aggagtgacc	ctgccatcat	gaggagcacc	ccccatccca	ccctgctggg	tgccatgcag	21480
aagcacagac	aatgccactt	tcagtaaate	atgacggatc	ctgaatgccc	agttttgtcc	21540
tgttttcaat	gggctgtggg	catattgctt	aagatatagc	aagccatttg	tgctggggtc	21600
ccagctactc	aaaggctcga	catttgagtg	ttctctcaat	tgtataatag	agcctttgca	21660
tatgtgattt	gggggggagg	ttttttctct	cagatttcca	tagctaatac	tagtagaggt	21720
gacctcaagt	gtagtgcaga	ccattgtccc	tcttcacccc	tgcagatctt	agcagtgtgt	21780
agctttaggg	atattcaggc	agcacctaatt	tcaatcacac	atctgacccc	tgcccttttg	21840
gccactcctc	tgaactcag	ttagctccct	ggggctctcc	accccacaag	cctggatcct	21900
caagagcctt	tgtaactgagt	agaaagtgt	cagaccttcc	tccaccctat	ccagattccc	21960
actccccccg	cctgaattta	agcacagaga	atccagtgt	gcaggggccac	ttgttctcac	22020
aaggctgcac	ttgtggagat	gcctgtgtga	agcaccctgt	agacatccca	tgctaaagtc	22080
ttgggaacac	agagaaagaa	aaccctgggg	tcatttaagg	gctgggtgtg	tcattttact	22140
aatcatctgt	gaccagcaag	ggccttgttt	tcagtaaagc			

atgtcagagc	taatgttgct	aggagggagg	cccatgtcct	gggaccgtct	ggtctgtctc	22620
aggggcagtg	gcaactgtga	ggatccaacc	atgtgtgcag	agtggcccca	atatggacac	22680
attgtgacaa	tttcttgagc	tataaccatg	taagatgtaa	cctttggtgg	taattgagtg	22740
atagggacat	gaaaactttc	tggtctatta	ttgttgtttg	tttgtttcta	ttaattctct	22800
taagtacctc	agaaaaaaag	tgctacttaa	ttccattgtg	tcaagatgac	ccagtctcag	22860
atcaagagcc	acattctgcc	caagcagttc	acaccatgca	atttcaggac	ctaggaggga	22920
acagtgtcta	gcagagagac	cagattttta	tgccagtcag	atgtaagctg	agactctctt	22980
tcccttttta	tggagtggtt	aaactaaggg	ttggatgttt	ataccccaat	ctcagggctg	23040
tagttaggga	cccagagcaa	gtttctcaaa	ttctgtaacc	ttttcagttc	ctagctgtca	23100
ggtagctatg	tgaactgtac	ccatctctag	aagccagtaa	gagaatccag	tagaacctga	23160
tggcctaaaa	ttgatgtcca	ggtcttacag	agtaaagaga	gagagctgac	ttcagcaaat	23220
tgtcctctga	tatctacaca	tgtgtgtacc	tgaaaacaca	catcccacta	ataaaatata	23280
ttaatgtaaa	caaaaaaatt	aaaacttttt	taataaaaaga	agaggatcta	gcgagaacac	23340
atcctgccaa	aaaacaaaaa	aaattttttt	ttaaagttaca	ggtagtgggtg	aactgcctaa	23400
aatgagtgtc	gagaactaaa	cttgggtcct	ctggacaaac	agcaaattct	cttaaccctt	23460
gagccatctc	tccagtccta	gccttaccac	actcgtcaca	gaaagatatg	ttgagctcac	23520
tctagacgac	ttattgctag	catgagtatc	tgtctagtcc	catgtctaata	cttcatgatg	23580
taatcagacc	taccacagcag	atagcaaggg	agcagtaaat	gctctttttt	attttttctg	23640
gacttgggtc	tttatttctt	cactgttatt	actttactga	agatttgggc	tggcactggg	23700
gataaaactga	taggtataacc	caggtgggtct	ctgcctgtat	ttgtttctcc	tctattgtcta	23760
tgacaaaaacg	ccatgaccaa	gacaacttaa	aaaaaaagaa	agcatttaata	tgggcttatg	23820
gtttcagggg	gctccagtc	ctgacgatgg	agcaaaggca	tagcatcagc	aacaagtaag	23880
aattcacatc	ttgatccata	agcacaaggg	agagagcaca	ctgggaatag	caccagtctt	23940
ttgaaacttc	aaaacctgcc	tccagtgaca	tacccttccc	aacaggccac	accccaatcc	24000
ttcccaagcc	atttcaccaa	ccatttcaaaa	tatattcaca	atatatgagc	ctcatgggtg	24060
tctcattacc	tgagaccact	aaagggtctt	gtattttcta	tcacatggaa	tcctcccatc	24120
atgtctttta	taacttagag	taggcctatt	ccatgtagac	tcctctacca	gatccatctc	24180
ggagctccag	caatgcagtc	atgtgactga	gcgtctctgc	cagcctttgc	tctgaactgc	24240
acattctgcc	tccacagtga	ccagagctgc	agacaatgta	tacttaggtc	catgccctaa	24300
acaatagatc	ctagacacag	aagtcctcag	cccatttctt	cagagaagag	cagtagctcc	24360
tatgttaatc	ttagtagcag	tgggtggttg	tgttttttct	tgggtcctgt	cagttagtat	24420
tttgaccagc	tgactaacat	ttcttatttc	agccttttgc	atcctctgag	agtaagatcc	24480
tcttggcttc	agttctggtc	tctttactga	ttttgagtac	aactgagcca	tgtagctggg	24540
aagccagaca	ttgaatggaa	aagtagagct	agcatgcctg	tctctctcac	tcattgtacc	24600
cactctgac	agggtatgta	agggtaccgc	tccctcaacc	cagcctcagt	cagcccatga	24660
ctctggatgg	gccagtgtgg	ttagccattc	atgggggttg	catgtcttaa	ataaaagggc	24720
atggaaggaa	gcctctttgc	ctatgatcct	caacaagggt	cacatctgaa	tgccatttgc	24780
tgttctctgt	ctgcttgaac	ctagagaagg	agagggtgta	gcatggggct	cttacatggg	24840
agatagcaag	tgggaaatgc	agactttaga	gccaggcagg	tttgcactca	tatgccagtt	24900
gaccaagtgc	tgatttgcct	tatttttagcc	aaattactat	acctacccta	gcatccatcc	24960
tgaactcctt	taaatagtgg	caatggtaac	tgggcgtgtg	accctcttgg	caacattcca	25020
gctgcacaag	gagcctgtga	ctcctgcttc	tctttttagg	gctttatctg	atcttgtcct	25080
tgtgtgtgtg	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	tctttgtggg	25140
gttaccacca	agttgggtaa	gtccaaagt	gggacttctg	tattagaact	aggatgggtg	25200
ggacaagata	atagctgagc	agatacacag	tggatatagt	gaacagaact	gtatacttgc	25260
atltggactg	cctaagccag	tctagcaggt	tgttgtggct	gcttccctgc	ccaatcacca	25320
atagacaagt	ctactggagc	caaggtctga	ctgggcttct	acctggcaag	acacatctgc	25380
caaccagca	tggcctgctt	aggttgtttg	tttggggatt	tgaggaaggg	gtgagagttt	25440
atltggctat	ttgcttattt	ggttaattta	ttagtattct	tgtttgggtg	attgttgttg	25500
ttgttgtttt	tgaacaagg	ttttactgtg	tagccagggc	tggcctcaaa	ctctcctgct	25560
tcagtctcca	gagtgccaga	gttagatgca	tgtaatccca	tcactagtgg	aagccttact	25620
tttgaagagt	gtagctcagt	tagaggtag	taatgccata	ggctgaagca	gccctagaga	25680
ccagtaccca	agggaagagg	ttggggctac	catgtgacag	aggagctgtg	tcagcctggc	25740
cacctgtgca	gtgggtgaag	tactacaaga	ctccactgaa	atctgaggcc	caggtctgct	25800
gttatgtttc	ccagggaggc	atgcagagaa	aaagtggttt	ccctaatact	gctcaagttt	25860
aaaacaaaca	aacaaacaaa	caaaaaacat	ggtggtactt	gcctttcata	ccagtactca	25920
gacagcagag	gtaggtgaat	ctctgtaagt	tcaaagctag	cactatgttc	aaggcctgcc	25980
agggtctgat	agttagaccc	tgtctaaaaa	agaaaaatga	aactgaaccc	tgaagttgta	26040
gaaactgctc	agattttagt	gagttctttt	ggactaactg	aatgagcttg	ttccagcgcc	26100
ttattttttc	tcagtgtggg	ctggcacatg	agcaagacta	tccccaggct	ttgccactac	26160
aggatcacca	ttgtggatag	gtcatactgt	tggtctgtga	ttttcctcac	ttaattttca	26220
caacaatctc	agaagtgtg	tcattatctc	ctataattct	tcagagtcag	aaaatgaggt	26280
acaaagaggt	aaaagaagga	agatcaccta	actattagga	agtaaaactg	ggatccaaag	26340

atggggtgacc	ttttcttcta	gtgtaatttg	ccttctgacg	ttgtaaggcc	agggcacagc	26400
aaaggagaca	gaagcagaag	tgtgagccct	tagaatgcta	aaaagaaaaa	gaaagttaga	26460
gtgggggaaag	atctagacta	gaacagtttag	acttggctcg	tcttctgaat	tctagctttg	26520
gagcccccg	aaagactgca	tgttatatac	agcatagagt	taaaaggagc	acagggtttct	26580
gcttaagaaa	gaatgtgagc	ttactttcatt	aacattcaat	agtatatata	gcttcttttt	26640
atatttcaca	cttatttatc	ttgtgtgcat	gtatatgtga	gtatatacac	atgccaaactg	26700
cacacatgtg	gagatcaaag	agcagttttat	ggaaatcagt	tctctcctcc	taccatgtaa	26760
gaccctggga	tcaaagtcag	atcatcaggc	atcagcagga	gccttctcgc	tgggtctccat	26820
atgcagtttc	ctaaagaaca	aggttatcca	agggctctct	caccacaggt	gatcacagtt	26880
acatcacagt	tagcaaggcc	agaagaatgc	aaagaatgtc	tttatttcct	tcctggagcc	26940
tggctcctgc	cctcctaaac	ttcttaaatt	ttgtttaata	tttacatctc	ttctaagatg	27000
taagtacttg	tgatgtcttt	aaatttcaca	acacccatgt	gttccctggg	ttacactaca	27060
agtagggcag	catctcttaa	ataatgttgt	tctagaagga	agagagctca	gatacaagta	27120
gcaacctgga	taggaatagc	aattccagct	attggatact	cactggatat	agttctaaac	27180
agtctaatac	gcagttgtgt	gatcagtggt	cacttagggc	tgaatggtag	aagagtagct	27240
ctcatgccag	gaaatgcacc	aaactcacca	gagcaagcac	agacaatgga	ggagagacag	27300
gtggcttgcc	ccaagacccc	ccaggagcct	aagatggcaa	tattgtcgtt	ttgaatacat	27360
tgtgcaggca	cttggcctct	gggagggagg	aaaacaatta	gcttagcatc	aatcatgaa	27420
ctctgacaac	tgtcttatct	tatataagat	ctccttacat	aaggatgcag	agagagcatc	27480
ctcattaaaa	cacctcaagg	gggttcatact	gattttctag	aagcagagct	tctctcccaa	27540
caaatacatc	aggactggct	atagacactt	ttttcttcaa	taggctaaaa	agatcccaca	27600
ttcctccagg	agacaaaact	cagaacagcc	acagaggaac	tgggtcccat	ggtatagggt	27660
gggcatctaa	ggtcccagag	cccacctcca	tccagactca	gggagagaac	aggcaagcca	27720
aatctgctgg	ctctcaattt	ggttttacata	actcctgact	cctcaagtcc	ctggaaactg	27780
aggccaattc	cctggaagat	cattctgttc	tctcctgttt	tttcaagaag	agagccagcc	27840
tgatcactgg	ctccgaagac	tgtgtgagag	tgtcccactt	ccttcttcca	cgaactgagt	27900
gtctgccgtc	atggctgttg	tttaggaagg	ttctgtttga	actctcataa	ctccatatat	27960
gttgaccttg	tattataaag	aactttactt	atcttatgtg	taccctcctc	tgtttccaaa	28020
agaaaatgga	ggacttgacg	caaaggaaat	aagtaagggt	aatacattag	gagaagtggg	28080
agactgggaa	gggaggcaga	cagaagggtga	gctcccagta	tctgtgtgca	gagttaggcac	28140
cagactctct	actgcagtat	cgcaacagca	gaagcaatcc	tacctcagag	agttgagggg	28200
gaaggtaaga	aggcacattt	ttttttaaaa	taacaaactt	gactgaaagt	tgaaagatgt	28260
gttcctagta	ctaagaacag	tttctcatgt	gaggttgcct	ttagggggcac	tgcatacact	28320
tgtagcaatg	aaaaaagatg	tttataggct	ctgtcttaag	gtaaaacttg	tgagaatgga	28380
gggtaactaa	aacaacttaa	ggaaggccat	gagctctggg	agcactagct	cttttggagc	28440
ctcagtgtgt	cctgggtaaa	gttggagcat	ccttgtgggt	gcagctcgat	tgggtgacta	28500
agtgcaaatg	tgcaccaagt	tctggactca	ctcttctcgg	acacatagac	tgagtgtggc	28560
tcatatctgt	aatcacagca	ctcaagaggt	ggaagtagaa	ggatcagaag	cacaagatgg	28620
aacaacctca	gctctataga	cagtttaagg	ctatcctggg	ctacctgaga	ccctgtctat	28680
aagcaaatga	ctaaacaaac	agacaacaca	cttaattttt	ttatagcaac	cactttgaag	28740
tgggaggggt	ctgatagggt	ctctattggt	cacagcaagt	gcacaagggt	aagagtagct	28800
aggcagatga	agaagaggcc	aagacacctg	aacagtatct	tccccatggg	ttcggaggag	28860
ccacgtgcc	ccttcacagt	cagcattgtc	tgtgcgagta	gctctggcag	catcagtgcc	28920
caaacaacgg	ctgatacgag	tccccagatg	caagaggaaa	tagttgtctg	taattgcctg	28980
ttttaagtag	agtgggtcagg	aggctacagc	ctcctcatcg	ggctacatgt	ggcatatgca	29040
ggcttgctca	tcagaccttg	tatttactgt	tttcacctta	atggagaatg	ggagaggcaa	29100
acaaagccca	gggactttgt	ggaagctgac	tagaagcctc	tgggactcca	gggactgcca	29160
atctgctaaa	gaagaagcta	agaaagaaaa	tgagctcctc	tgcatgggtc	tccccatgat	29220
ggaaacagaa	ggccacatgg	cacagtgtaa	atagagccct	gctgcactgc	tcttactgtg	29280
gtgaatgaag	aagaggcaac	tagccaggag	ggcaggacca	ctactactgt	tttgctgggt	29340
ggttcctccc	aagtgcagc	ccttcctctg	ggacagacct	tagctctaag	acagacgtgg	29400
cttcttcgga	gcaagtcaaa	cctcaacatc	gaagaatcct	tgtcttgtca	gttttagctt	29460
taacaagaat	agaacaagct	tctggaaacg	gacacagtgg	agtcaggaga	agcggcctta	29520
agtgaagaca	cagctgtggg	gtttccagac	tcgcactgca	gggaggcgct	atccagtggt	29580
agcggccagc	ctcgctgtag	acttccaaca	ctaacgaatc	gggaactcca	tgtgaaacag	29640
gatttagtta	gagggtccct	gtgccagcag	atggatgtat	ttttcttgaa	agaccaaggt	29700
gccagaactc	ttcatgatta	cgttactgga	gcaaggctct	ttttgtgggt	ttgtgaagtt	29760
gagcgtcagg	actgcaggat	tctcttgctc	tttcttactc	ttattttttc	cagggtcagaa	29820
ccagagcttg	gagcagggag	gaaaatcctg	ctgaatgagc	aagttctttc	ttaaaaagct	29880
cttcaagtcc	aaaaagactt	cagtggactt	aggagaaaga	aatttaatac	attgccatag	29940
aatcgttgtt	aaccaagtta	aagcaaagcc	cacagcatct	ttgtcttata	aaagaaagca	30000
aagaggagat	ggaaaaaaag	aaataatgct	taggaaatcc	aaaccaaaca	atgaagacta	30060
acgaaggaaa	actaaagatc	acttcaaaga	atgtgaagat	tccctcctaa	taagattttt	30120

caattttcaa	acctaagctt	cagggtgggag	gaccttttca	gttttttttt	ttttcaagta	30180
tgctgttaag	tggtattccc	caaaatgttg	gccctgtgta	ggattggctg	ccttccacat	30240
aaggagcagt	cagataccct	gcaagaccca	ggaactgagg	gagctttaac	catgggaagc	30300
tgagaggctt	gccagactgc	tccttgacct	gagcttgaac	ctgagtccta	actgctagca	30360
aactgaaaca	agcccagcct	ccaggagaag	aaagtgggag	gaactagagc	agtccctagcc	30420
agaaaactat	gtccttttca	ccactggctc	tgtctttaca	tccttgggag	ggaagcctgg	30480
gttgggcttc	aagatcgctt	gctcagacca	tcctctcac	ttgctagccc	cctccaggcc	30540
cacgcagagg	cactagtgcc	tatgagaggt	cagtttgcac	ctgttgtgga	caagacaggg	30600
aattccttga	catttttaaat	atatttttat	ccttgtagt	gtgtatgtat	acacacacac	30660
acacacacac	acacacatat	atgcacaaat	gtaccaacaa	aaagttatgg	agcttgtggg	30720
gggagtcagt	ttttttcctt	tcaccatgag	gattcccaga	attgaactca	ggtcatcaga	30780
ctagaagcaa	gcatacctac	caactcagcc	ttctcactat	accttgcata	gagtttctca	30840
actttttgct	aaagtcagac	tggtagtttt	ttgtttttgt	ttttaagat	ttattttattt	30900
attatatgta	agcacaccag	acacaccaga	agagggcatc	ttatgtcatt	acagatgggt	30960
gtgagccacc	atgtgggtgc	tgggatttga	actcaggtcc	tttggagtg	ctcttaacca	31020
ctgagccatc	tctccagccc	cagactggta	gtttttaaaa	gcaccagaag	ttctgagctt	31080
ccatcttctt	tactcagtga	gtttaagaag	cacctgccta	ggcatgatat	tctccagggc	31140
aggccatttg	ggcaggccat	tctgtacatc	tgagcctgtg	aaagactggc	ttgttcattg	31200
accccaagag	acacctggct	gcacactgac	cacctttcc	tgtttcattc	tgtcaccttc	31260
tggtgcttat	tcttatgaac	gcatttgaat	ccactgactt	cactgggctg	ggatccaaag	31320
taaggccaag	tgccctttac	tcatacataga	aaacaactat	aggcctccta	gcctcctgct	31380
tagccttgga	cattcattct	ctccctagtt	ttgtctacaa	catggtagaa	tctgagaccc	31440
aaaaggacgc	cctttatttc	ctcagccaac	tagtagtgtg	gttctctggga	ggagacactg	31500
ctggtctccc	ttgccactat	agtaaaaacc	aagaggtgca	acaacccccg	aagagcttgc	31560
ttctacctt	ccccaaatcc	gtgggaaagt	ttgccatcct	gtcccaaggg	tttcagcctt	31620
tatttaactc	agccttagtc	ctatggccag	atgccttgtt	cacctctatc	atggagcctg	31680
gacagtgaag	ggccccatca	gaagttttat	gttctgtctg	ccacagctgc	tctcctgtgt	31740
ggtctcagcc	taagtttcta	gaaataaaaa	gctctctcac	tctcacacat	gttcattctc	31800
tctctctctc	tctctctctc	tctctctctc	tctctctctc	tctctctctc	tctctctctc	31860
tccttccttc	cttccctcct	ttcttccttc	ctctcctccc	ttccaactcc	ttccctcctt	31920
cctttctttt	atctcttttt	gtgaagcaga	gtctctttat	gtagaccagg	ctggcctcgg	31980
attcataaga	gatctgcctg	tctttgtctc	ccgagtgtctg	gaattaaagg	tgtgtacaac	32040
cacactcaga	actcttccat	ttctacctaa	agaagacctg	tttgtccttt	gtcaagctga	32100
gagcctttcg	tctccctagg	tcctcttcaa	aactttatcc	ctgtggcaat	ggcctagaag	32160
ccaatccctt	tgagaggacc	ccactagcag	cagtgcttct	gttccatgta	gcagctgcca	32220
ccagagtggc	ttccattcct	gctggctgag	ttccactgta	ggggggccta	cagagcttcg	32280
tatgtgcccc	aggctggcag	agagggcagc	aaggaaggct	ctgttctggc	aaggcttatg	32340
gtataggaag	tatctaggaa	atactgttgc	tcttcagggt	gctgacaaga	taggagctct	32400
ttcttgtctc	ccggggattt	ggacccctag	tttcagtaga	gctggctctt	gttgactgtc	32460
tctgcctgga	tgtcctctgc	tgtaggtctt	ttgttctgct	tctcttggga	attcttctgc	32520
ttgctttctg	gctggaggta	ctggtacagc	tgcactagcc	tctatactca	ttgtacacac	32580
tcccttagct	tgtgggcctc	agttgagtca	cacatccctt	catgagctgg	acactgccag	32640
catggatctc	tgctcagcaa	ctaaaaggat	aggcctccct	tagcactgtc	aggtccaatc	32700
ttctcttaga	gattgggtct	gcttttccct	gcagccctg	gatggcacat	cattagaaag	32760
aaggacatgc	cttcagtgcc	tgctctgtgt	tctgcttaca	gggataagta	tgttttattca	32820
ttcatactga	actttgtact	tgtaggcacc	tccatgcctg	tagacatgcc	tgatggcttg	32880
acttctctga	gaaacacatc	actgtcctag	gtagatttta	gaacttaaga	gaatgggtacc	32940
caccttgctc	catccctacc	tctccactcc	ttggcttttc	tttgaatatt	ttaattacct	33000
gtccatccta	aggtcacaca	cagtctaata	tctggacaca	gttcctccca	cctctctaga	33060
gtccataaat	acctaggaag	ccagtacagc	tttacaaga	agactgcttc	ttctgactgg	33120
cccttatggg	cctaatacat	accaaactct	tcaaacacag	tgtagtgtga	gaatctaata	33180
agatcatatg	aagaatgttt	agagcagatg	tacttcataa	atattagtgt	cctacagaac	33240
gtctgtcact	cagacctctc	gcttttctct	agttgggctg	catttctctc	tcatgtctgt	33300
cagtacttag	ttccctggcc	cgtctgtatc	catctgttgt	catatcgat	tgcctccct	33360
tgcccattat	tcacccctca	aacctttctg	gaaagatcca	gctttggacc	agcttggctt	33420
tcttcttcat	actactgtca	aggctgcaga	gggttgttca	ctaactcctag	ctactgagt	33480
ctctttgggt	gtcctctctg	gtggcccat	ctaggtcttc	gtcttgtcct	ccaaagattt	33540
gactgcaacc	ttcatccttt	cctcaaattt	ctaactctct	aaactctcca	ttctttgcag	33600
ataatttgac	tttctagtgc	tcaggaggac	agaagccatg	ctagaaagtt	ctaaaccctc	33660
cttacctggc	ctacagacct	ggctctgtcc	ctgctcacc	ctcccatctc	tagagaaggt	33720
cttccattgt	gtgttggatt	ccagtccttg	gccatctcag	aagcaacact	gtttactcca	33780
tctcttgggc	tcctctctct	actatagtca	attctgcttt	aaaatgtcac	tacttatatg	33840
tacacctttc	actcccttac	tcactgtgct	gtcccactgt	agtctctgct	gtctcctccc	33900

tacagccatc	taaageccact	ttgacctctg	tttcccttgc	tctcactttc	caatctgtct	33960
cctacccacc	tcagctccca	ctactacttc	cctccagccc	tttctgccag	atccagtggg	34020
gtccctgttt	gggacacaca	ctcctctcct	atgtggcatt	ttaggagggg	ataacaaact	34080
gacttggtc	ttccttcctt	aagaattccc	ccttagcttc	ttcaagacat	aaatcaagac	34140
ccacagccac	ccttcttggg	ctctgctccc	agatctctca	tggaggtgtt	ctttgggactc	34200
cactaggatc	ttcttccctc	catgcaactt	ctcaagacga	tctcaccac	tgcagctagc	34260
tctcatcttg	ccagttgaag	cctgcacatt	cacttggacc	acacatacag	cagccttctg	34320
gccatcccca	ccaaaaacaa	agaaaccaac	agctccaaat	aggacccaaa	ctcaccgccc	34380
aagcttacca	ttccgcacac	cctgcaggag	tggcctcacc	atctgtccca	ccatctgaag	34440
cagagaaact	gtgacacctc	cattcccctg	catatccaga	ccagcaaagt	tccataatgt	34500
tcttagcaat	ggacaaagag	agtgaagttg	agttaaaact	ctagtcttat	tgtgctgtgg	34560
acaaattcct	taaggatttg	tttgtatgag	tttgtttgtg	tgtgtgtgtg	tgtgtgtaca	34620
catgtgtgtt	tgtgtatatg	tgggtatatg	tgtacgtata	gagatgttct	tgtatgtgga	34680
agccaaacaa	cctcaggggt	agtccctcag	gtgttgtcca	ctgcttctcg	ttgttattgt	34740
ctctcactgt	tctgggttta	agaaagctag	actggctggc	tactgagtc	caggatctgc	34800
ttatctctgc	ctccccaaca	ctattacagg	catgctcaca	gatgcacatc	atacctagct	34860
tttaaaaaac	tgaatttggg	gaatcaaatt	caggtctttt	tgcttgaatg	gcaagtactt	34920
taccgactaa	gctatctcct	taacctctct	caactgagct	atctccaaag	gcatacagac	34980
acacacacac	ctctcaacag	gatctcaata	tgtagcctag	gttgtcctaa	aaactctaac	35040
ccttctgtct	cagaatcttg	agtacaaaaa	ctgtgggtgt	tcattactga	actcagttaa	35100
attcttaatc	tttatcagcc	ccaagctctg	catccattaa	atggaaatta	taacacctaa	35160
ttcaagtggg	catcaggata	aaggaaagcc	ttcttcactt	gggtgtgtgtt	tgataataaaa	35220
agtatttaaa	taaataaata	ttcaataact	gagtgcctct	ctgtccctct	ctccaccaat	35280
cggacttgtc	ttgttggtta	attgctgttt	ctatagtttt	ctgacctga	agccctcccc	35340
ctcaagatca	cacttaccag	tgttttctcg	actgaggacc	acagtgcctg	tttcatccct	35400
ccttttttta	cttttggggc	taggaggcag	attctagagt	ccccattaca	gggtttgatg	35460
tgtcttctct	ctaagctgtc	tctagatgcc	cccatctcca	caacctgcc	tgagaccag	35520
gcctaattct	tttagtctgc	catgatggcc	ttgccc aaag	cccttctcct	gcaggcttgc	35580
cttcagttta	gcccattctct	cgctgaccac	caggtgtctt	gtcctctgac	acctgctgtg	35640
ctttcctttt	cttttctttt	cttttctttt	ctttttttct	cttctcttct	cttctctttt	35700
cttctttctt	tctttctttc	tttttctttt	cttttctttt	ttctttcttt	ctttttcttt	35760
ctttttacca	tgtgaattcc	tcatactctt	acatgcagct	tgtctgatta	gtcagccct	35820
cctgcctccc	tgaagcagcc	tgatatcgtc	ctccttgatc	tcattctctc	cccccccat	35880
gttctctctc	ccccccccc	tccacgatac	agaggaggaa	agcatttggg	agtgggtgag	35940
aaactgaatc	tcggtagacg	gaccagttag	atagactgag	acattcagca	aagaccaact	36000
ctactgaacc	caggagccaa	aaactctgca	aaacaagaaa	aatgtaacac	aagagtgggg	36060
gcatgctagt	ctttactcaa	aatcaaagta	gagctacctt	gtctcgaaga	atctagaaaa	36120
tgccaataaa	gtggagaatc	ctcccactgg	gctgtttctc	tctctctctc	tctctctctc	36180
tctctctctc	tctctctctc	tctctctctc	tctcacacac	acacacacac	acacacacac	36240
acacacacac	acacacacac	acacacacac	acacacacac	acgtctctcc	caaccttttt	36300
gttttggttt	ggtttggttt	ggtttttgtt	tttcgagaca	gggtttctat	gtatagccct	36360
gactgtcctg	gaactcactt	tgtagaccag	gctggccttg	aactcagaaa	tccgcctgcc	36420
tctgcctcct	gagtgtcggg	attaaaggca	tgcgccacca	ccaccgctc	tctcccaacc	36480
ttttgttgat	ctattttttt	gtggtttcct	tagcatcgca	tcaaattgat	gagctgcttt	36540
atctgccac	cccaccatgg	ctacctgtct	tcccacatgg	actgcagtgg	gacctgtcat	36600
gcttctctgac	ttttgctacc	aatgctggtc	ttattacca	tgcagttagt	atactagggc	36660
aaactgtttg	gcagtgaaac	ctttctctaa	gccacaaatc	catagcttaa	aatattgagg	36720
cagaagatgc	aaaattttct	aagagtgtag	gtttttctgt	ttgttcattt	gttttttagt	36780
gacaaaatca	atacactgcc	tcagctagaa	agaaagaagt	gaggcaaaa	gtcatagtgt	36840
tgattaaatg	ttgttgtaat	tgatctgcta	tacagtgggt	tttttttttt	gttttggttt	36900
gttttttttt	tttttttttt	tgttttgttt	ggggatgttt	ccttttgaca	cagaatctca	36960
ggaggtagcc	caggatggcc	ctgaacttta	aaccttctgc	ctcagcatcc	taaagtctag	37020
aaccaaacac	atgtacaacc	acacctatct	acttatgtac	taattatacc	aaataatgga	37080
tttgcgttgc	cctttctata	cacgtgtact	tatacttcga	tggctcatgc	catcactgtg	37140
tcttgttccc	actccctggg	cccttccaaa	atagtctctc	tctctctctc	tctctttttc	37200
atctagattc	catgcatgag	acagaatata	tttgtcagtc	taggtccaac	ttatttcaca	37260
taacaaatgt	caaattttca	aatgacaatt	ttttaattct	tgtttcttat	ttcattttcc	37320
tgtgcttata	catgtgtggg	gcatgtttgg	tgggtgtgtg	catgcagagg	cttggcagtc	37380
acctcagct	gcttttccac	gtttctctct	gaggcacagt	ctcccatcac	gtccagggct	37440
cactagtatg	gcgagtcttt	caagccggct	tgcactagag	atccctctct	tctctcttgg	37500
gataggaatt	ctcggcatgt	gtgtgagttc	tggggagcca	cctctgggtc	tcatacttat	37560
gcaaaaagtg	ttttaaccac	ttggcattct	cccagctctc	cattcctttt	tattgtgaa	37620
taaaactcca	ctgtgcgtat	gtaccacatt	tctgttatcc	cttcttccct	tgatgggatc	37680

[illegible]

cttgcccttcc	agccaccagc	cagcctcaca	ggctctgcaca	cggtagccttc	cagagcttcc	41520
cagtataca	aagccatctt	cccaggatcat	cctgggtatat	ttgagttatt	ggaacaactg	41580
tttgtccaca	gaccctatcc	atgcccacat	accacttagc	ggcctctctg	tccagtactt	41640
atcaggagac	tggcagggca	gccataggcc	tctctctgta	caagcctgac	cactgggaag	41700
gaatggagca	tctgggtagg	gactcccagg	ctgcacttac	ttttaagtca	tttcagccag	41760
tctatgggaa	gcctcagtg	caatgccctt	tggagccaac	tccccctctt	tagggcctgg	41820
cctgtgtctg	ggctctacac	acatggggta	atgctagatg	actcaagaca	ttcaatagga	41880
agagggctcc	aagacagctg	cagcatcaga	actgagcagc	cacgtctggg	actatggcag	41940
gggatcgaag	tgtacctttc	cctgtgtacc	agcctaggcg	gggggagcaa	gggattctgg	42000
accaagtcoc	atgtttaatt	aattcacccc	tctgtctact	tgattcttct	cctcttccct	42060
ccccctgagc	aagctgatga	aatatttccc	agcagccctt	gacaacttca	aaccaacatc	42120
agcacttgcc	agcacttttg	aaatggcact	ttctgtctgt	gcttagagct	attgccagtt	42180
ctgcagacta	actgcagtg	tacctaagag	ccactcctga	cagaggggtg	gcacctctag	42240
gcctcccgc	aatacagacg	ctaccagggtc	aaaacaaaga	atgattttct	tgttccctgt	42300
aaagccccag	gtttggagaa	agagaagctg	aatcaactca	gagataggaa	gggcttgag	42360
agctggaggc	agcagagcca	tagaagtgcc	aaaagtgacc	tcattgggaa	agttggagct	42420
ggagcataca	tgtggagtca	gccactcaca	gtgcaggggt	gggcttctgt	gaccctcaca	42480
gcaggtgggg	tttggtatct	ccatgacacc	aacactcctg	cttccaagac	tgagctctga	42540
gatgatgtct	ccccactgtc	taccacacag	aggggtagcc	ttggctcgtc	ctgttccctg	42600
tacctagcat	gagacaccaa	cagcagcaac	cagagtatgc	tgggtgctaa	aatacagtg	42660
ttgattccac	ttgggtcccc	taacagaagg	taagaaacca	tacatgttct	tacttcacag	42720
aaagaagaac	ctgtgatctg	agagatgccc	ttcccaagg	tgtatttaag	aagcagacaa	42780
gcttcttcca	gggtgctgct	tcctctatga	gggtgcatagc	agacttgggc	ccagcctgtg	42840
ggtctacaga	gatctgatgc	caagttgcct	aggaatctgg	gacagggag	tcagcaggac	42900
tagggttgct	gctgccccat	cagggtttat	agtaccttta	tgtattgtgt	gcggcacctt	42960
catagtcgct	gtctatatac	atgtaactctg	tatgtccaag	atatttatta	ggggggctaa	43020
ctacagcatc	ttctcaatg	aagtttctta	ccagaggttt	cccatactga	caagcttgta	43080
cttggctggt	cagacactgt	ttcccttctc	agggcagaac	tgtttaaagc	aagcaaaccat	43140
gaaagccaga	aaaatgagct	gattgtgtgc	taaccacaga	ccctttggta	catgcatgta	43200
catgttccag	catgcagaat	gacacaggca	ttatactgtt	ttcttctgtg	gcgtacacta	43260
gaaaaaatg	tatacagtaa	actcactttg	taaaacttac	tttgaaacca	ttatgtgcag	43320
agagaaaagc	tacagaccct	aagtgtgtat	agttcaaggc	catggtctcc	aagtcattgt	43380
tctattgctg	tgcagagaca	ccatgactaa	ggcaactcct	acaaaagagc	atgttactgg	43440
ggacttaatt	agtttcagag	ggctagtcca	ttatcatcat	gtcaggggaa	atggcagcat	43500
gcaggcaggc	atggcacaga	agcagtggct	gagagctaca	tcctgatcca	tgggcagcag	43560
gcagcgagag	atgggggagg	agagagagag	agacagagac	agagagacag	agaaaaagaa	43620
aaacagagag	agagattaat	attgattgat	tgattgattc	tggacctggt	gtgggctttt	43680
gagatctcaa	agtccatcct	cagagacatg	ctgacctaac	tcacaaagcc	acacctcctg	43740
atcttaccac	acagttcatc	agctggggac	taaacatgca	aacatgttta	tggggggccat	43800
tttcagtcaa	ccccccaccc	acagcagtat	tagaaaatga	acttagctga	gtggatccca	43860
taagcctgta	gaatagcact	taggaggtag	aagcaggagg	atcaaaaagt	aggggtcatcc	43920
ttagctacat	attgagtttg	agaccagcct	agacttcagg	agatactctt	tctttttttt	43980
tttttttaat	ttattttatt	attatatgta	agtacactgt	agctgtcttc	agacactcca	44040
gaagagggcg	tcagatcttg	ttactgatgg	ttgtgagcca	ccatgtgggt	gctgggattt	44100
gaactccgga	ccttcggaag	agcagtcggg	tgtctttacc	cactgagcca	tctccaccagc	44160
ccgagatact	ctttcaaaaa	gaaaaaaaga	aaaagaaaat	gaacccaaac	acactcaggt	44220
caggaaatag	actattagag	ccccctaaac	acacacatac	tccatccatc	ccccattcag	44280
aaccttcttc	acatctccaa	aaaaatggaa	ccattccaca	agtcttagtt	tttctctgag	44340
tgttacattt	gggagaatcc	attgttgtat	atgattgtgt	ccctttgttt	tcattgctac	44400
agaattttcc	tttgaaaagc	tgaagatata	ggacagtgat	agagcacttg	cctggcatgc	44460
acaaggcccc	aagttgggtc	tctaacagag	cgataaaaata	aaatattttg	agaaactaca	44520
ggaaattttt	aagaaaaatac	ttatatcagt	tcatttgagaa	tttcatatac	tatatcttga	44580
tcataattcac	ccccagttcc	tccttctaac	ttccccacct	ccctacttcc	cccatcttct	44640
tgtcatcatt	gttttctccc	ccctcccccc	ctccccctcc	acctcctctt	ccccctcctc	44700
ctcatccct	tccttctctc	tcctcctcct	cctctttcat	aatgtattga	ctctaatttg	44760
ttctgtccat	atacttctgg	gtgcaaattg	acttaccag	agctacaccc	ctaaatacaa	44820
ctgatttcat	ttctatccca	gaagctctca	actgttcata	ggctctcagc	taagggtgaa	44880
ggctcataaa	ctctgcccc	gtccatgaca	gagtactgcc	taggcttgat	cttgtgcagg	44940
tcttatgcag	gtgagatggc	tgctgtgaga	ccgtgcgtgc	atgtccctgt	catgcccagg	45000
atcctgcttc	accccttgaa	ttctgggttc	cctgacctcc	aactctctct	aagatagtag	45060
ctgagcttta	gaggtgggct	tgatatgtat	gccccacttg	tggctgggca	ctccagcgat	45120
cacgctccac	tgcacacaag	aagtttcccg	atgagctcta	agagctgtac	taacttacgg	45180
atacaaaagg	acagatttag	agggcagtta	ggctgtgtcc	ttttagcaaa	ataataacat	45240

tggccaaatt	tacagaacca	gatatgtgct	gcctccgggtg	gaatgggctt	aagttcagcc	45300
agtaagtgac	tggctacctc	ataacatttg	tggcactact	gcaccatggg	catagcttac	45360
caccctggtc	actactgcag	ctcacggggc	tcacagcttc	ctttctctga	tatccacact	45420
attgaggact	attgaatatt	attgaagatt	ttccccacag	cagcctgcag	agtatctttg	45480
agtatggtga	aggttaaaca	gcagggagga	agcttcttag	taccaacttg	atttctccat	45540
gtcctgtgat	gggcatgtgt	gggtaagcaa	tagggctcta	tcatactgtt	cttgtaggca	45600
accaagctat	gaaaggcttt	tagagctggg	tataatgtag	ttccagcatt	taagaagtgg	45660
atcaagagtt	taaggtcacc	cttggctaca	tcatgaaatt	gaagccatct	tgagctactc	45720
aaacccttgt	ctcaaaagca	aaacctgate	atctattctg	cattaatcta	atcagcgttc	45780
tgattgtttc	tgcggtcaag	ttattacaga	taaatttggt	tatgcttttg	tgtgcacatg	45840
catatattct	gcttcagtgt	agacctagga	gtaaaactgt	tcatacctaca	caattgtatt	45900
tagcaagtag	caagagttca	ggccttttct	aactttctgc	ctgattttcc	agtttttctc	45960
ctcatttgtgt	ttttctgcct	attcaggata	tgaatccttt	gttgactgta	tataattgca	46020
atatcagcct	agagtcaag	agtaatgact	agagaacaaa	gcaacgccta	aggcactgca	46080
gttcttttct	ggaggaatag	aagttaacag	caccactttc	tggttctctg	tctctggcca	46140
gccaggggaat	ccctaaagct	ttgattctgt	tgattgtcac	tttgtcttaa	gattatgact	46200
agggaattga	gcttctagaa	tcagtgacca	gagttctcca	gatttgggat	agccacagat	46260
agaatcatca	atgaactggt	ctttttttct	tttcttttct	tttctcttct	tttctcttct	46320
tttcttttct	ttttttttta	atcaaaagtg	tcttttaggg	acctaacctt	atggatgact	46380
cttcagccct	ttccactcat	tccctgtgtg	gtgtcatacc	tctcagggaa	accaatcagg	46440
agagttgaat	tctggacccc	acttaatcat	tacaagagat	agtaaggaaa	ttcttaatgc	46500
atataccaaa	tgaacatgct	aaagaaactg	gtgattctgc	agttatgcata	ggattcagaa	46560
atctgtaaac	ccccagagcc	cagaacattt	aatgtttagg	agttctgtga	ttgaatactg	46620
aggtatgcaac	ccccagagct	acaaaggctc	cccttaggtga	gaactgttaa	caaacacacg	46680
cagtatgttt	gacatttgct	cctttctcca	gtaggccctt	cctccaatgc	cctatgggtg	46740
tctcatctgc	cccatatgat	atcttctctt	ctctgatatc	cattgccaaa	atgctttgta	46800
gcacatggtg	acatgctctc	accacgtggg	gaaggggtta	atggtaatca	gcacttttac	46860
tgtctctgaa	tctatagtgg	tatacacagc	tatactgttc	tctcaatttc	ctggcctgac	46920
caagttgctt	cctttgcctt	ctctgggtac	ctgtgccagg	cacacatctc	tggcgccat	46980
acagacacac	atctgtaaac	cagaggtgct	ccagaaccaa	cctctacaag	cacatagtca	47040
tccggtagcc	tccaaccca	aggtggcttg	tctctctcta	agcttccaag	aaatcctaga	47100
caagctgtga	tctttgggcc	tgtaccccat	tgaattgaata	ggccacacat	tgctgtccag	47160
tagacagtga	gccacagcct	ctctctacca	gtatgctgga	ccagacacta	ggcacattca	47220
caaagtgaga	gtgtcaagtg	tgtctgctct	aatcaccac	cccaggcatc	agaggcttgt	47280
gacactcaca	ggttagccct	ccaggaagca	ggccacagga	cttcagggtg	agcctggaga	47340
aaagtgccca	tggccgtcac	ctccagcagc	tacttggcag	gtaaccagaa	catgcttggc	47400
tcactcagct	cttggctgtg	ctccccagag	ggaagtgttt	ctaatactgtc	gtcactgctg	47460
ctcccataata	ctctgaggca	ttgtggcttt	tctttgggtg	ttgggcagga	agcctccaga	47520
gcctaaagga	attgccatgc	ttgatgacag	acaaaggcta	ttgatggcta	taaatcactt	47580
agctgctgcc	tggcttattt	aagaggaaga	ggacatgtta	actattctga	ggataggcct	47640
tctgtgggtg	ggtaccaaac	tgaaaagggg	tctcacagat	tgactccagc	tgtgcccgct	47700
gagttaagtg	gaaggaaatg	ccccacttag	acatgacttt	gcaaagccaa	ccagcaaatc	47760
atcccattga	cttgtagctc	cacctcactg	ggcatcctca	agtgaccac	cttaagcagt	47820
gttggggccag	gatccaaggt	gaggaagcca	gaggctgact	agctgggacg	gcaccacatt	47880
gagtgggggc	tgttctcaag	gaggcagatc	tggcttagcc	ctgaatgtgg	agactgtgct	47940
atcaccatca	tgtccctgaa	ggctgtctag	agctctctga	cttgtagtgc	atgcttccct	48000
tgggggaagt	gctccactca	ccgacggggg	cttttgtctc	caaagctgag	acatctccat	48060
ctatgtcctt	cttgttcctt	atttcttcac	ataagacact	gtgaccacct	tctcctgggt	48120
gtgtgaccta	gcttcgttag	agctgttttag	aattcgagaa	atacaattgt	cttgtagttt	48180
tcactggggag	aggtcataac	ctttgcccgt	taatgtatat	atcctcttaa	tgacatcagc	48240
tagacaaaac	taagggtttta	ataactgagg	attgttcaaa	atatttatgt	tatgtaaaaa	48300
gtgtgtgggt	gtttttacag	tatggagatt	gaacctaaaa	gttcatacat	agcaggcaag	48360
tgctccacga	gctgtatcct	tagctatttt	taattcctta	ttttgagaca	aagctttttc	48420
aaattttccc	agctggccta	gttatccttg	accttgggat	cctctgtctc	tagtctccaa	48480
gtaagattac	atgactgctg	tgccatgccc	agctgaaaat	gttttctact	gagtctccca	48540
cactctacac	agccattttc	cctacagtga	gtgaccgcag	agtcacaggg	ttttcccttg	48600
actttactga	agccttgccc	tgtgtgtctt	tgtctctgcc	ctgatgacta	tcagagc	


```

cccatcccat cccactcctc ctccctcccg ccaaatecca tcatgaagtg cctccttccc 49080
tgagagcctag cagggttggc accactttat gctaaatatg tgtcctctat ccttttagtat 49140
aaccagacta gtcagggtgt caccatgttt tgtgtaagga atgccattca tccactgttct 49200
gctcatgaaa cagaatgccc ttttcaactcc ctctgacttt ctcaagtgaat tttccagtgc 49260
tgatgtcatc aaacttgact cccaattttt aacaaccctc agtctcagaa ctaccagtcc 49320
cctgctgagt acttcaagag gcggtgtctg cctctgcctg tgcaactcag tggaaatgtga 49380
atgcttttga ctgtgaggtg gagagtgcac attaaagaggc tttgcagatt ttctgtagat 49440
tctgggtccc agtacttaga gcagacctgg gacccagcca ggggctgctg aggagtttgt 49500
agcactgatg aagttctgaa cagtccctcc agcagagcta gcacactgcy gatgtctcagc 49560
agacaccggg tgcacgcctc tcctcgcaag catggattgc tccccctgca tccttaatct 49620
tagcatgatg cctccgtttc ttctaaagca ccaggcgccc gtctccttca cttactctag 49680
atggtttctca tgggtggaggt taagaattcc ccatctgaac tctaaaccaa ataccttatg 49740
aacttccaag ttttagatth tagagcatth gagatthtat gtttgtattc cagagcctat 49800
gcaaatattc acaaatctga aaatgaaatc tgaagcactt ttggtctcag catttcagat 49860
aagaggttaa cagcctgtat gctaataata tttatggaat acttagcagt gtgttggccc 49920
ctaagataag aactgatgaa acatctacac ctctctggaa taacctgaga ttccacagac 49980
cctgtggtgt ttggagccc

```

```

<210> 6
<211> 36901

```

```

<212> DNA

```

```

<213> Mus musculus

```

```

<400> 6

```

```

cattcctgtg cccattgagt taccaagacc agaaaaccac tattgccatt gggctcttgg 60
gaaataaagg ttccattcac ataaggatgc ccactccaca cctaccacca tcatttttgc 120
agtcccttcc tgttcaggca agctcaccat gggagccaaag ccagtgtgtg tcagatccca 180
gtagcaatat ccacagccag agagatgcag aagtcataata ggcaagagcc tataatgcgga 240
ctgttacata ccagacagtt gtgtccccac tgctaaacct agagaaatgt tccacaaatg 300
gccagattg caagaagaac cctgggaaat tctaccatgc atctcacaaa ttagaagacc 360
agtcattgtg tgtattgtaa gatcaatgta aacctcatgc ctttgcctgt ctagctagag 420
ccaagcactg tgcagtgcac ggaaacaata aaggtccaga gaacctactg agggagacag 480
gcatggaaag caatatttat aacaaatact taggggtggg catgatggga gaaatgtcct 540
tgggctcaat cagctcatga tcagatgagc ggtgtggtgg aaacacgagg tgggagcagc 600
acagggtcac cagctgtggc cagaaagcag caaatggcaa gaggaagggg ccaggaacaa 660
ggtatagacc ccaagaattc ccagaactca ggccctgaag tgcccttcc tcctaaatac 720
tctgccatcc tccaaaacag tgtcatcagc aagggaccag gcctttaact catgaacctc 780
gggggggtgg ggggggcggc atttcatgtt cacaccatag gggtgacaaa ggagttagga 840
gccaggctcc caggatgccc agcctgggaa ggaaagtaca tgactgtct ctctcagctg 900
gggcctcatt ggacaggcaa gtgcctgtg agcagggtgc aggtaggagc ctgtattttg 960
acatggagag gacaaggcag gtgcctgggt gctgccaggt ggaaagggca aacggcctgt 1020
gtgtgtgtct ggtgcagtc aggcacgtgc aggggaagcc cagaactcgc tggatgggaa 1080
cacaccctc taaagcactc tgaaccagt tcataaaacc atgggtcaat attttcaaag 1140
tcacagaact aatgagctct gccagactca acagaccgca tccagtgagg tgataagaca 1200
agtgttagca cagaggaaac ggcccaggcg ggaagaggct tttcttaatc tgttgggttt 1260
cgtgtttata gtaaagcagc tgcccttggg caagagtatt cattatcag gtcaaccaca 1320
aaggaggctt agttactatg ctcaccctgt ttgggtttaa gtaataactg tctacagaca 1380
agtaaaaatt ggatcagggc aagttcagta ggtcccatca ggcctgcaga agctgtctca 1440
ggctctgact gccaaagtct tgtgcctgt gtccagcagg aataggcaga gagaaagctg 1500
tggaaccctc agcctagccc cgaagagctc tattttcacc ctttaaaaat gtgtgttgc 1560
ttccactcag tatttctgtg aaacagcagc aaagaatgat tctagtgtgc tcatttagtc 1620
cctgaacagt tctcagcat ccacttgtc tctgggattc ccaagaccat tcaggcctag 1680
attcccccca caccttctct cccacggctt ggggtctgca gaggaagtgt ggcagaggaa 1740
ggggaagagc cagctcacat tggtaaggcc ttaccaacca ggaaaaataa ggatggcagt 1800
gacccagcta agcatcctga gtactacaga ggaggctttg tgaggaggc ctcacttcca 1860
acagagattc tgtcacctcc tgagtcctgg actaaggtag ccagagtcac cttctcactc 1920
ccgctagctt ctgtgggttc agtgacacag atcaggaccc aggtgtgacc tggaaagcgtc 1980
agtctcacga gaggtcttat cttactcatt ctctgttgtc ttgaggtaaa aacagcatgt 2040
gcagaactgt aaggtgctgc ttgtctttgt aaataaagaa ataactctct atgaaaagta 2100
tttaaagcat ggaagtgac acctataata ccacactcg ggaggcaaaa acagaaacat 2160
tgccataggc ttgaagctca cctgagctat gtagtgtagc aagttccaga agatctggac 2220
tgtatggtta agactgtcac caccatcatc atcataatga attgtatatt attataataa 2280

```


tattaaaaag	tatttagtgg	ctgcttccta	tgtcctagtc	actgttcaag	ggactgggag	2340
gtaagctgtg	tgagctcccc	aggttagtga	cattgagcag	ctgtgactgg	cccaaaagaa	2400
tcgagggaca	ggaagaacag	gaaaaaaatc	acaagtagtc	aggtagagcc	ccaagctagg	2460
actgcagtag	gcagagcagg	agtgcagcaag	ctcacacggg	caccactaag	agctgatcca	2520
accatggttt	gtccgtgact	gatggctttg	gagcaaagca	aggatacaag	tagaagccac	2580
actccaacct	aagagtgtct	ggctccagga	tgcccttctc	ctgaaccttg	gacttctggt	2640
gaaaacttat	ggatggtgga	tcctaataatg	tttcccaagt	gcttgtcttt	ctaggaagct	2700
tatttttaac	tccaccccc	tgcaagggtca	ggctatggct	tactcagata	caatcgtaaa	2760
tgtcagcaaa	gccatggaga	agatgaagaa	gtaagaagga	tcattctcct	ttaccctccc	2820
aaagactgaa	gcctgtggac	agggccttgg	gcagttcacc	caggggcttg	acaacttaca	2880
cagctctgac	tacgttccta	tgccagatgc	agtctgtctg	ctcctcccat	ctgttctggt	2940
cttccccaga	gcctcagacc	agcagacaga	aatcaagcca	tgcttggttc	tagatctggt	3000
gcaggtgcag	tgtgcatggt	gggaagggga	atgaggcaga	gcaagcagct	tgagtcactc	3060
atgccagggc	tccctccact	aatatccctc	cctagagatg	gactcaggtt	ccttccacag	3120
cctctgcagg	cctgggtcttg	tattgccag	acagagatca	cctacttcag	aaggggcact	3180
cagtacttgc	agtgtcctct	tgattggatg	gaaccaaaca	atgctgggac	acaggccatc	3240
ccccagaccc	acaggagcag	ctccaccatg	caaattgacc	tccagcttga	ggtgctgtgc	3300
ataagtaagc	tgatacacaa	ccttgcttgg	taaaggagaa	gacaaagtaa	cattcaatac	3360
aaaaaaaaaa	aaaaaaaaaa	aaaaaaagag	tttgagggtc	tagaccaact	aaggcttgga	3420
gttctttagg	gagcagcatt	tggatttcat	gtaccatccc	agagcagggt	tctccaaaga	3480
gaatagctta	tacctccttc	ccacttaaca	cagccaccca	aggccagaaa	acctagagaa	3540
gccaaaagctg	caggacttgg	tggtgcccca	cccagatctg	ggccctgcc	cattctggct	3600
ctagtctgtc	tctatagcct	ctgagactca	gtttccact	gtgcacatta	agacctacag	3660
tttttttctc	gggaaaggac	tcattgggct	aaatgacaaa	gcacacagag	agcttggtctg	3720
cactctcttt	tcttcccacc	attagtggcc	tcaccaactcc	aggggtggct	tggaaaatgg	3780
ggcccacccc	gccccccag	cagcccgaagc	aaagcacact	ttgaataaag	catagcagcc	3840
tgactctccg	ggtgacctgg	ctctctctct	ctctctctct	ctagagctat	cctctgcagt	3900
tgtatgtgta	tgagaggatc	cgtgtgttta	aaacaccctt	ctccctagaa	catcttcata	3960
cccaaattct	agctttcaaa	ctaaagttga	tccctcccaa	agtgcagagt	gactttggct	4020
tccctgagtt	tatccaagct	ctgttcttgg	tataggctct	cagggtcagc	ctcctctact	4080
tgggtgtaag	agggagccct	ggccttggct	aggatctgag	cagggccaga	aaagctgttg	4140
aggcaggcag	cagctcccag	agggaatgtg	cttctgtgtg	ccttggccac	acctcctcta	4200
accagtgggt	ccagtttcag	tggaaactaga	gaaaggctct	catgtgtgtg	tgtgtgtgtg	4260
tgtgtacaca	tcataaaaaga	gccagcaagg	cccaattacc	cttcactgca	atgctacaca	4320
gcacaatgct	tggttctgtc	taggggccag	agctgttgcc	cacgtgcagc	cctgcccctg	4380
gcctctgtgt	gcagagctaa	gccttgggaa	gagcaaggct	tcgtggctag	ctttatgtctg	4440
acaaagggct	ttcagtgctg	tcaaatgact	gcaagcagtc	ccttccccct	ccctaccaca	4500
gccactgggc	ctcccttttg	cagggccaga	gggctgcact	tgaacgccta	gcctctggag	4560
acttcctttt	gaactagaaa	aacatggctc	aaacatgctt	cactgcagca	gggctctgcc	4620
tgtgaaacct	atagaaaggc	ctggagtaga	ttcagtccca	cagactagaa	aacctggctc	4680
tggcctcacc	cacaaggcct	gttatgtctg	gctccagagg	cctgctcctc	tgggggtttc	4740
catgcctgtg	aactaggccc	cattcatttc	cctgcgggtt	catgggaacg	tccaaaatat	4800
tgagcaggtt	gcagggagcc	caggaggaaa	ggggtcagtg	aaaggcccta	gctgtgacgt	4860
ggggtggccc	tgtgtgcaag	ccttggtggg	cgctctgtca	gtctgtctgt	gcctctctct	4920
ccagtcaccc	cttccactcc	cctgaagctt	ggcctgcagc	agcactcccc	ttccccacc	4980
ccaggcctct	actttccagc	tccttagcca	ccagccccc	cctggccttg	cctcagaggg	5040
aactgcaaca	agatctctac	agttccccac	ccccagcatc	cctcaattta	gtactgatca	5100
gaccactgac	ttcccatcac	gccccattcc	cttgcagttt	tccaccacac	tacactcaat	5160
ttggggctgc	tgagagagca	gcaggtctcc	tgtgagggtg	gctgctgtct	tcccaccttg	5220
ggctgcccag	ctatagagga	gagtcatgct	ctagcacaca	actcctgtga	gagcccagca	5280
gctgccttca	cagctactgg	ggagcccaag	ggctccttaa	gccaacagtg	aggatgtacc	5340
catgtggggg	aaatttgggt	tgccgaagaa	atgaacttga	aactcactgg	gagcaattct	5400
tatcaaattt	ccatgttagc	agttttcacc	agaactaact	tgaacaactc	ctgtgagtgg	5460
cctaattoca	ttagcatgag	attcccacaa	agttaacaag	tgccctagtg	gccaaaggga	5520
gagaggctct	tctgtctcac	acttggtttt	ggctcttgaa	gatggatgga	gtttcagggt	5580
tcagcaacag	ccaggcagat	gctcacctct	ggcccagtag	gcttcaatct	cagcagctca	5640
gctccagatc	aacttcagaa	gccactttgc	aagtattcag	ggtatgaaag	ggctgatcag	5700
accactgact	tcccatccca	agatgaattt	ctcttctggg	ttagcaggtt		

gtgggcttga	cagttccagg	gacggtgctc	tggggttacc	catcagccct	gtggcatcat	6120
gctagatgag	gagcccagag	aatgaagcat	ctagcttctt	tgtccctgac	tagctataga	6180
ctgagcaagg	gtcctctctt	cttgacagct	gcagcatggt	gtcagcattg	actgctatga	6240
accagccttc	ctataggtag	catggtcagg	acagagggtt	cagacctacc	tacaaggccc	6300
ttccttaacc	tgctctacaa	tgagacataa	gccagtga	cttcccttcc	cctcctctgg	6360
gcctgctgga	tggtttcctg	cgggctctct	cagggcatga	gcccttgcc	cctagaatac	6420
cttcgacttg	tctaaaacta	gtcataaagg	cctggctctc	tcttctgtc	actgactcac	6480
caaaactcaa	tggaagcatt	cctgcacttg	acctatcac	ccttccctgt	ttttctaaac	6540
cgatttcccc	agccctacca	ccttgggtgt	ttgcctcaac	ttgccagct	caggggcctt	6600
ttcttaccct	ttcctctgcc	ctcgcagcac	ttctcacagg	gcagcctgct	acagctctc	6660
catgtccctc	tgctttatct	taccacctct	accttctctg	ttctggcctc	ctggggggcca	6720
gtgcacacgc	cttcgtcacc	tggtctgctc	aagccctccc	ttaattgtct	catccctcat	6780
ccggtcctac	tctgtccccc	agccccaact	attcccacat	acttatttga	aacatctttc	6840
ttgtctagta	gccttccagc	tcctgagtgg	ggtccaagcc	tgtaccctca	attccttgcc	6900
tttccacctc	gagctttgtg	tttcatttct	ggttccttga	catcccttga	aatgaatcct	6960
gcttgtgagt	gtacctccct	gtggatggat	atacctgtgg	gcgtcttagg	aagtatttag	7020
gcattctgat	tgctcttag	gccactggcc	ccaagagcac	agactgatgc	gtagggatat	7080
aggacttgga	gcagatcact	tcctatttga	cacattaagc	tctgtccacc	cagaaagata	7140
agaaacttgt	agggccatag	gagaagtgt	accagggtg	gagtgaaggc	acagctagaa	7200
aagatgagta	agaaatccaa	caaagggtatt	caaagctagc	tctgaaagct	gaggcctacc	7260
agccattgct	agtgtaaata	actctgctgc	tgtgtatgaa	ggaagtagta	ctcagtagat	7320
aaggaagtag	tactcaggag	ataaggaagt	agtactcagt	agattgggta	gggctgtag	7380
agaaaagatc	aggagacttg	gtgaccccaa	attatcagca	tgcttggcag	tgagtattag	7440
gaagttagaa	acacctgaga	actaaacaga	aaggacaata	gtgatagagg	gaccaacacg	7500
tcctacctcc	tgaactggag	cctgatgcca	ttgtcccag	gagtccttca	ctctgtgcag	7560
gttgttgaa	atccactctg	ggactagcac	atataccact	agggatggag	acgagataca	7620
acctaggacc	gagagaggcc	atcacagtca	tgaaggccag	atgctatgat	ggggaccaag	7680
agatgtctaa	gagagagttc	ctcatgtctat	cttccaaact	gatgtatagc	caaagaaagg	7740
acatgagcga	ggagcagccc	tagtactctg	ggctgtgaga	acagtatatg	aaaggacaga	7800
agccaaaagg	gcctcaggac	ttcagtagag	ccaaagtagg	atggagcagg	gaagaagagt	7860
gatgcagtcc	aaacatacat	aaaacatacc	atattgttta	gccaggtaga	ggaactgcta	7920
gtcttaaaaca	gtgggttcctg	ctggaaggga	catgacctg	ttttgtgtga	aggcaacaca	7980
gtagcaggag	atgacgacct	ggacaacaagt	gatgacagga	aggaaagcaa	gagatgcttc	8040
tggaatctta	ctccagatcc	tagaactgga	ccatttgagc	aactcttgca	taccctgttg	8100
ctctttaaaa	agaggaagaa	agaaaagaaa	aaaggaagg	aaaggaagg	aaaggaagg	8160
aaaggaagg	aaaggaagg	aaaggaagg	aaaggaagg	aaaggaagg	aaaggaagg	8220
aagaaggaga	gaaaggaa	aaggaagaaa	tggaaaggga	aggaggggag	gggaaggagg	8280
gggaggggag	gggaagggaa	gggaaggaga	gagaaggaga	aaggagaaga	agagaaagag	8340
aagaagagga	gagaagagga	gaggaaagga	aagaaaaaaa	gcaataacag	gacagggtgc	8400
cagacaagag	gaggtctagc	taggctaggg	tagacacact	gtagtctgag	tggtacttat	8460
ttatggccag	gaacttggtc	gctgattttc	acttgggttg	catgcctgcc	ttcctcagag	8520
gcttctcacc	taaccactgt	ctgacctgtc	aggatgctga	ggttatgtag	actgaaagac	8580
cctacataga	gaaagacaca	atctcaaaaa	attaggtaaa	tagcaaataa	taaccacatt	8640
tggacacaag	taaaataaca	tggccagtc	tggttctctg	gatggttagt	gcagtgtcca	8700
gcagcataag	ttgtgttgag	cactactcct	ctctaaggta	aagaattgct	ataatagtaa	8760
taaattgaca	gcagtgtaaa	tttgtatctg	aacctttccc	tttaagtgtt	atcagtaacc	8820
ttctgggcgg	aagcttcctt	tcttatgaca	tggaatgtgc	atctctggtg	tgactttata	8880
tataggttga	ttatggcttg	ccaggacatg	aaacctggc	tcagctggtc	cctgggatga	8940
gaaacagcaa	accttcccc	tctttcccca	ggccttgag	gccagacag	caggtaggga	9000
ctgcttgaga	gagggctgca	gagctttcac	cgtgatgtcc	tggtgacag	cctcctgtca	9060
cagaagagtc	ctaccaaga	cctccagagt	tgtggggccc	cagtggctca	ggcctccaga	9120
tgctcagcag	atgcccagac	tgggactgag	gccccatctc	tgagggtctg	gcttgtctgt	9180
ctggaaggtg	atcctggctg	tcagcatttc	ttgagccctc	atttagagca	gtgtctaggc	9240
agtgtctggg	attcagctag	ctcccacatc	ccagcagggc	tgagtgtatc	catgcctatg	9300
cgatgtctgc	gcctggggag	gaggtgccct	aagactgaag	gcagggtgcc	agaccagaag	9360
gagagtctag	gccatggcaa	cccagacaac	cctcagccac	tttcccagtt	ccatacccta	9420
atgtgtctca	gcctggttca	tttgccctgg	gatagcacia	ggcatcattt	gagtttggtc	9480
gcaaacttta	tgtgaagttt	gcccctttcc	ccacaagaga	ggaaagctca	gattgataag	9540

tgcacccctc	catgggtgat	tggccccaca	gggaatctta	agttcagtgg	agctctggct	9900
gctgctgggt	tggccatgtc	tcagcctgtc	agttctagat	cttctagatc	ctgggcctcc	9960
tgggagtctg	ggagctcctg	ggccagagta	tcgctgggtc	ctttgtgatg	tgcacatgct	10020
tgctccttcc	ccttccactt	gcaggatgag	aggattttaa	gatcatttcc	tcaaaccacc	10080
ctaggacact	aacgagcctt	atccgcaccc	agaagtggga	actttgttcc	gtgcatcctc	10140
ttgggtgggtg	acaggattta	agttaatgct	ttgctcttga	cagactgttg	tgaagaattc	10200
ctaggetgat	gtcttaactc	agaggagag	aggaagcgaa	gggcagatgg	acagggggtg	10260
cagaatggac	agatggacaa	gggctactaa	tggaaatagg	aatcacaggc	accaaggtgc	10320
ctgaacaagg	ccagcctatg	caaccagagt	catgccagat	tgtgatcaga	gttagacatg	10380
ctcttctttt	ctcaaggctc	tgggcagctt	acagggctgt	gcagatgtcc	atggaggata	10440
aattgtcagg	tcatggtcac	tggagaagct	gcttgcttgg	agtcttctca	tgctgtttc	10500
ccatagtggc	ccctccttca	ccccatctct	cttctccac	catgaactca	tgtggaacaa	10560
agcagaagag	ttcctgtgga	ccaggactct	ggatcatccc	atcaaagtct	ctgacttata	10620
gcttgaggca	tggagaaggg	tcctctgtcct	gagccattag	cccaccctgc	tcctgcctgc	10680
ctaacagcct	tatcctcaca	gtcctgctgt	ggggccctac	tgccacctgc	cggttctatt	10740
tacaaactgc	agtcctagtt	cagccttggg	attacaagag	actgtgtact	ctggtcaaca	10800
ggattctgag	actgcacaaa	gagaacaggt	ctggaacag	tcctgacttc	ccatagcagt	10860
gtcagagcat	ttattttaaca	gtctgagcag	ggacagacag	catcccagca	ctgtggagggt	10920
tgtgacaagg	tgaaggatta	tcagatgtgt	tagtcatttg	tgtggtgtat	gtgaagaaag	10980
gaaagcacca	ctgtgtcttg	gacagttgat	attcctgctt	ggtatctggc	ccagaacaca	11040
tgttccctct	gcctttgcac	cagccctgtg	atcagacatt	agcattgtct	tactttggga	11100
aggaagaaca	ggagattcac	caggggttcc	acaacaagag	tgtggtagaa	ccagcattca	11160
aactgtctca	gaggcttggg	ggtcagtgat	gggtgattgtc	agtactgata	agcacaagaa	11220
gggattgggg	actgagataa	gggtgtcagc	ctaaaaagct	ctgcctacaa	actagtgggt	11280
aacacaaagg	cttttcttct	tgagctgagt	ctagttagtc	catgacagaa	gccaagtgtg	11340
cagaggcccc	catgactgga	gctaggcttg	cccaggcccc	aatgacagga	tcgggtgtgc	11400
acaggctccc	atgacaggag	ccaggtgtgt	ccagacccca	cctagtgggc	ttcatgagcc	11460
ccttgtagag	aaagctctgc	aaataggcac	ctagacagag	cagaggcaag	cgtcttcaca	11520
gcagggtccag	tctggagaag	gaacattctc	ctatatgtct	gattttcctt	ctaagaactt	11580
gtctagatga	cagatctgac	caagcaacac	tactcagcct	ccagtagagg	gatttatccc	11640
aggtttcctc	agacactggc	agactctcag	agctgcctca	gtgggagaag	aagactaagg	11700
ctcaacatgc	agcttggggg	gtctcctcga	agctgaacaa	ggctcttaat	ggcttttgcc	11760
ttcccaggga	gcaagctttt	tcacacacag	acatgctgac	tatagtagta	tcaggatgta	11820
cacacctgaa	agacttcatg	ttcaatccac	ttattcacca	agggagcccc	aagggtcagg	11880
ggagaacctg	cctgcccagg	attgaaatac	aggtaactaa	cttcagggct	ggttgactct	11940
gtctcctgct	gtgcctggct	tcctaccctt	gacacacttc	ctccatcttc	catcagtcoc	12000
cacctcttct	cactagggcc	ttgacataatt	ttcatcttcc	tatttagagc	tttatcccca	12060
tgtacttagt	tacttatagt	aattctaatt	acactgaagt	gaaggaaaat	agaatgatag	12120
ctcttcttac	aagttagccc	cagaggaagc	ccagcaggtc	ttcttaccag	agatcattac	12180
tgtgtatcat	ctctggacca	ggcatgacct	gagagcatcc	ccatttagtg	agaaatgaga	12240
caggagacca	catacacatt	cagacaaaaa	gagaaagtca	ttattgacag	gttgactcta	12300
ggaaatctga	gcatggagat	gaaagagaaa	gagcagaaga	actagtttga	tcaggtcaca	12360
gaaaggttct	tacactgaga	actaaggatc	tagagaatca	gctgagccaa	ggccttggga	12420
caggggcagt	agcactgttc	tcaggatcc	ctagagttac	tgtctatcct	ccacaggctt	12480
gtagaggagt	tcatgctcct	ggccaacatg	gcgggtggcc	acaagatctt	ccgcaccttc	12540
cctgagcagg	ccctgctgcg	ccggcatccc	ccaccacaga	cgaagatgct	cagtgcacctg	12600
gtggagtctc	gtgaccagat	ggggctgccc	atggatgtca	gctctgcagg	ggccctaaat	12660
gtgagtgcta	gtgggcagggt	aatgggaaga	cctgcttgga	gaaaagagat	taaagcctag	12720
aagttgggct	gggtggtgact	tgtctgcctc	catgtagcca	ctccctatgt	agccagggtca	12780
gtctccccctg	cgggtggagaa	gatggcatcc	actaggggta	ggctctatta	tcaggctctgt	12840
accaagggag	actattcaag	gtgtagccac	ttgcatggcc	tctagcaagg	actggactgtg	12900
tccttctgta	gccagggtaa	caggaagcaa	ggaaatcttct	ttagagggaa	gcacttcaca	12960
tgttcccttc	tcagaggtaa	gctttatgag	gctgcagaac	cagtgtcctt	gctcatccca	13020
ccaaaaggag	atctccacc	catgttccaa	gatggagggtg	gggtgtgaagt	aggcaaaggga	13080
ttcctctaatt	aaagagagct	ggcctattgt	aagcatggaa	gatcttaggc	ccattgtatg	13140
acacagacta	tggatcacag	ctcttacacc	ctgcaggtag	tcaacatggc	ccatagcctg	13200
ggaacccctc	tctaccttcc	ccaaaatggg	atcaagcctg	tttccaaggc	caaccatata	13260
tcatacagggt	ttctgggggt	tacttctaga	aaagcctgac	taagacattt	ggagatgaca	13320
agtactctct	ggcccgggaag	gaggtgctca	ccaacatgta	ctcccggccc	atgcaggtaa	13380
ggagggggcca	caccagcccc	tgatcccgat	agtacccata	gctctggctg	gcaagcacca	13440
cgtgtacata	gcccactact	gtcttgctct	gctctgggat	ctactggata	gagaggcgt	13500
gaggaacact	aaaagctgca	gtccacactg	gtccacactg	ggacaggcgc	actgagctoc	13560
agaagaaate	tatcctctgt	gctgaaaagc	aggctccatc	cctcaggagc	tgtatggcct	13620

gtggctgcta	gagacccag	gcaagagaaa	aggtctccat	ctctactgta	gctgcagtct	13680
gcaggagaat	cagtctgctt	cgagcttggg	cccatgttcc	caagcaagtg	acagctagga	13740
gatataggg	ctggctccta	gcaggctgtc	acagccctcc	agcctacact	gcagtctctg	13800
cagggcctaa	gcatccttgg	gatgggagcc	atctcagtag	attggcaggt	caattggagc	13860
tacaggtaact	aatgggggtca	gctgtggggc	ccagcacttg	ccagggcagt	ggcaggccat	13920
ttttcaaggg	tactctctca	cagattcaat	ctgttcatga	gagtcaggta	gcctcagcca	13980
gccacagctg	atttatttcc	tgataactcc	tggctctact	aggaatggag	ccatcagggc	14040
cgttcgggga	cttggctgcc	tgttccccac	cctaccacct	accctagaca	gtgcacaaa	14100
gaccttaggc	tgtgccttgt	ggagtgtgc	tcccacaagg	attctgattg	caaggactaa	14160
gtggcaagtg	acagggacag	gtcagggcac	agcaacagca	gcacaacagt	ggggagtgg	14220
gcctggttcc	caagagagct	gctgaaacag	gacacaagct	gtcccagtgg	tctctggcca	14280
ctacagagaa	gccatgattg	ttgccctgcc	cagagatagc	tacactgacc	aaggaggagc	14340
cttgacctct	tttcctcctc	acgctgcctt	tctgaggaac	tgagccacca	ctgaaaacaa	14400
agataaacat	gacttactat	gaagactatg	ccctctgtcc	ccagcaactt	gccccagatg	14460
tagctcaaga	tccagcaggg	ggctgtgctc	tgagttctag	ggctatgtac	atggagtaac	14520
cagaaaagga	tgtcatttgg	ccagggattc	tggagctttc	aaagaagtga	acatccttct	14580
aggcaacagc	tgtctattcc	aaggctgtga	tggctgaagc	cagacctcat	ctaggttgtt	14640
cctaggttgc	agcggctcag	tggttccttt	ggctcaggtc	tcttagacct	gtggatcacc	14700
gtggacagtt	gttcaggagc	aaactgatgc	aggctggcaa	gctaacaaac	tacctcttg	14760
actggcataat	gctagagtat	tgtactgtac	ttgtacttgt	ggctagtgtg	accatcaact	14820
gggaagagat	cagagccaga	ggaaatatgg	ttggctcagc	cagaagtgtg	ggaaccttac	14880
gggctgctct	cccttgagg	ttggcatctt	gggctggcca	gggacatgcg	gcctcctcag	14940
ttcttgcttg	tgtctccaga	agacaattca	cagccctggg	ccaacatggc	catatgtttt	15000
cctatctgca	atcatcttga	cccaggggtga	ctgctcggat	cctaaggaaa	attattccac	15060
agcaactcct	ctgcatcatt	cctggtaggg	actcagcaac	cataggcctt	aaggaggaa	15120
agcccttgca	cagctgcctt	ggtggctagt	cccacagtgc	tagaggccac	ccagcatcct	15180
gagggtctoc	agcctcccat	gcccacagaga	ggcatagctt	ctcgagctgt	tcgagcatt	15240
gccctcatga	atggagcccg	gcagccctag	gcatgactag	catgcatcct	gagcagggaa	15300
gggctctggt	cattacatgc	tgtccatggc	agctgctgag	aaccccttaa	gtaggatgac	15360
cctggcccca	agaatctggg	gctttgatca	gctgcctgaa	gctgatagg	gaggtgtgta	15420
tcaaccttgc	catggggccag	gcttgggtct	cagcacctag	ccgacccagc	caggcttagt	15480
ccaactctoc	ctccagatgg	cactgtactt	ctgctctggg	atgctgcagg	accaggagca	15540
gttccggcat	tatgctctca	acgttccctt	ctacacacac	ttcacctctc	ccatccgccg	15600
ctttgctgac	gtcatagtgc	accgctcctt	ggctgctgct	ctgggtaagg	gacatgactc	15660
tggcctggga	agacctttgc	tggctgagag	ttaccactc	tcagagtaag	tgaccacatt	15720
actgttatca	tggacatgcc	gagggacaga	gaagcctaag	cttgaacact	ctcgatccac	15780
accagatga	tggaagcttt	agtgagactt	attgcaagcg	cgggaccata	tatgggtcca	15840
gagccttgcc	tcagcacaca	accgtcctta	tccccatact	agcaaccctg	gtcgccctct	15900
cctccaggct	acagtgaaca	gccagatgtg	gagcctgata	ccctacagaa	gcaagctgac	15960
cactgcaatg	accgtcgcat	ggcttccaaa	cgtgtgcagg	agctcagcat	cggcctcttc	16020
ttcgcagttc	tagtaaaggt	gagtgtccag	cctggccctt	tcttcttccc	ctttccctgt	16080
cctccgatga	atggagcacc	agtgcaggtc	ctccctggga	ggatgccacg	atgcattgtt	16140
cctacaggag	agtggccccc	tggagtcaga	agccatgggt	atgggtgtcc	tgaaccaagc	16200
tttcgacgtg	ctggtgctgc	gctttggggg	gcagaagcgc	atctactgca	atgtgagtat	16260
ccctggtatg	aatgggaggc	ctgcacctac	aggcaaaaac	aaacccattt	tccgcctgtt	16320
gtctagttcc	ttgttgggga	aatattcccc	tggctcagaa	tatcccatga	tagtttcaca	16380
ggtgtaaatg	gtgggattca	actgagctcc	cttctgtccc	tggccattag	ctatgcaggg	16440
cccacagact	gcatcctata	gcagtgagtt	tactggcat	gtggcaagaa	aggtccaga	16500
ccctgaacc	caagtaggcc	tgccagggac	agggcctcag	gccaagggtc	aagtctgaac	16560
tcttccctaa	aagcccaggc	actcagaaca	taaccaggat	ggcagggtgt	gggacctgtg	16620
atgttcttat	agaaacatgc	agaaggggag	gccagagggt	agccagcact	gctctgggac	16680
ctgtgtcccc	aaacagaaac	aagaggccca	tctgccttg	gcttcttccc	tggatgacag	16740
tttattcaaa	gtcctcttgg	tgccttctgt	aatgtcactt	ggggggcttt	gctttagctg	16800
ctctgtggtc	accaagtcc	caoctggctc	ctaccctgg	ctttgaactt	cttacataca	16860
cttgggggaag	tgtggaaccc	tgcactggaa	gagacacagg	attcatgaaa	gaggcagaac	16920
aggaaagggc	caagtgcagc	tggaaactacc	agacacctgt	agttacctgg	ctctcagcct	16980
ggtggtcagg	tctatcacca	acagcctagg	cagatct			

ccccctgctgt gtcacctgaagc ctacctctgt ctcaaacgtg tgccccctagg tcctcatctg 17460
ccctcatctt cccccagcac cataggttcc cctgtgggat tccaccaagc cctggcttag 17520
actgccaggt tctatatggg aacacccact atggcagtggt ttctcaacct tcctgatgca 17580
gcgaccctta acacagttcc tcatgctgtg gtgacaccct tccccagcc attaaattat 17640
tttctgttgc acttcataac tataagtttg ctgctgttat aaatcaaatg taaatatttt 17700
tgagataga ggcaaagggt ctgcaacgac aggttgggga ctgctgctct ataggtagat 17760
aggtgctatt cctctcccc ctgcaaggtg cccagcccag ctgggcccgg cccagcctgt 17880
ttcttttate cctcttggtc caaaggctgg cccagcccag ctgggcccgg cccagcctgt 17880
ttcttctgtc ctgctgaatg gtcactgaat acaaatgtc tacatagtgc catttagcct 17940
actggttttt cccagaccca atgaatccca tttacagata ggcgatagag gctcgggaag 18000
ttaagtgaag ctgagtggtc agttggcttt gattgcaggc cctcacctgc cctgtcctct 18060
cctgttctct gctctgtctac aggtcatcac catcttcagc ctggtgggatg tggctcctgca 18120
ggcagaggcc acagccctca agtacagtgc tatcctgaag cgaccaggcc tggagaaggc 18180
gtctgatgag gagcctgagg actgaatgct agcccaagcc aggcctgtgc ctgcccctacc 18240
ctgctggctt ttaggaatag gaccttttga caccaaaggg gatttttaaat ttggttttta 18300
acaactcagg ggtttgtttt tatttttatt ttctcttata ttttactttt gcagctcagt 18360
ttttaaatga actggaagggt taggggtcag ggcaggggat gctgaggcct ggctgtgct 18420
tccctgagca gagaggatcc cagtcctcct gggcaggcag ccccgcttct accaggcgac 18480
ccaactgccct tccctgcccc ggaaatgggg ggtttcagca aatcagtgtc atggaataaa 18540
atcaagtgtg aattgctgtc tgtgtagatg ccatgggcaa gcatggcagc tgggtggcct 18600
gtcaccgagg gcaaggggct cctagaatc cacctcacag ctgagctggg gtcacagct 18660
caggaccttc ctgcccagctc cagggtgatt cagcagccat gtgtggcaga ttgatgctgc 18720
agcctccttc tagctgatta aaaatgtaat tagtatgcac agtagggagc tgccagtcac 18780
cctgtgcatg tggctgtggc cctccccctt cgcccttctt ctctgttgcc agcccatggg 18840
atgtggggag gtgggactac cacctctctt cttatataat ataggccaa gctcccagga 18900
gcctgttca cagctatgct atgagtagggt accctaatac ctgcagtttc aaacatgtac 18960
cctaaaagggt aaaggcagac cttccagagg gaggaggac ttcaaaacag atcctacctg 19020
accagccac ctgcttagca tcccaagtac tagcaattcc tacccttctg agcactgggc 19080
agcctcttcc ctagggaact gggcacagtg tatcctcctt tcaccagact ggaatagtat 19140
gaattggctt caaaagcaac tagaatctag gatgaaaacc aaagcaacca aggcctgtt 19200
ccccagtgct gttccctgtg gcatcaggat taacagacc atctgatatg gttatggtga 19260
ttttcttcaa aaaagattct gtggagtcct ctggcagggt ccttgacagt agtgactggc 19320
acagctgcaa ggatacaca gccctaggat gggctgttgt ctgaggagag ccacagacac 19380
gccccacctg ccttgggctc cttgtcagcc tcacacagcc ttcagctgcc tgcctccca 19440
ccccttaggt ctcccttctg ctccattcc cagaccagca tatctggata ggcagagcag 19500
tgatggatgg tggtttagta tctgggtaaa gaagactctg gtgctttgcc aatcctggat 19560
ctctagacta aaggtctatc ccacaaatct gaggaggagc tagcttctct gctgggcca 19620
accgggctt ccaagacctc ctttactgct ctccctcaga atccttaagg aagctgtggc 19680
tcgagtactg gggtctctca agacacagag gtggctgaga cacggcctcc ccaaccctcg 19740
tgaggaacag cttaccagtc agtaaggaaa gtttttgag agtgaacgtg cttaggaggc 19800
aggcactgga ctagaaactt ctataacagg cttgctccac cctcagggtg gacatcatgt 19860
tactgagaac tctgagccat agcagtcctg ggttgcccta acctgtctga caaatggaag 19920
tctcaggtct ccatctgagg tgggtcagcc aggcgcctt ggccaggact tgagccacct 19980
gtcctctgtt gctcccaggt ggctctgtca tcttcccaca gcaccagctg agtcacttct 20040
ctttgtgttt gttcaccag cactgagtc gagactgat agaactgtg tccacacacc 20100
actcagtgtg gtagttggca ccgaacacta aaggcactgc tggcagaaga gatgacaaga 20160
aataaacgaa gtactcactc atcagctatc caagacacct gctgcacta taggctaaag 20220
cacagggcac agagcagctc actggctttt cctcagtggc ctgtcaggtt cacatggaag 20280
gaagacagac acaatctcac tctgattggg gtctcaaaaa gctcagaagc aggcagtatg 20340
ttcccagggg aaaatggagc aggttgtggg tccagcatgg atgagaaagt taagtattaa 20400
ttaatggttg taacctgccc tcctggggag agaggctgac acctgcaca gtcctactta 20460
gcaaagagcc ttggaaagga cttcagtggg cccaggatgg cagtccaccg gaagctggag 20520
cacagcacac tggaggtatg gtaagaggga gctggtgcca ggcagaggca tcccagatgc 20580
ataccgcaac agccagttag gatacccat gaccaccat gccagctagc cactaaagca 20640
gccagttagg gcagtcagg tgagaggagg aaggcctgag agggaaaaa aaatatccaa 20700
aatcctgggg tgggtgggtg cccaaaactg aggcagcata ggcacagtgg gagcagcaga 20760
gacctgcagt ggctcctgct gggaatgggg caggcctgtg aaggagagag ggctgagcca 20820
tagggcactg gtgactcagt gagatggaaa gagggaccaa gtgtagaaca gctggaccat 20880
gagaagagag catgcagggc agttcaagaa ccttagaaga ggccatgtgg gcagagtggg 20940
gctccagaag agggatttgc agtcaatggg agctaggagc ctggagccag atctccctct 21000
gtgaaggtta ttgattatca gtttctgaag gatacaaaac atccactctc actacctccc 21060
caagaccagc aaaggcacca atgagcttgt gttcagggat ccattgtgag gggaaatggg 21120
aaaataaagg aggacgttac cctggtagct gagagtgagc cagcagctcc tgtagactg 21180

gagaagggca	ggtacgagggc	catccacaaa	gaatgctgaa	gcaccgagct	gcagtagctgc	21240
acagcatcca	acaaggctgg	gctgctctgg	gctgggggtg	gagaaggatg	gctacagaag	21300
tcagtgttgc	cactgtagta	aataaactga	cctcttccca	caccagcagg	caagagagcg	21360
atcatcggag	agtcaccagg	cctggtagaa	tctcctgtga	taggacccca	tgagatgcag	21420
cagagggctg	ctgcaggatc	cagtcagccc	tcaggccttc	agcagccagg	caggagattg	21480
aaaacatcct	ctccgggggcc	ctcctgtccc	cacatgaaat	acaaacttgg	cagcagagtt	21540
tccccagtga	gatcccagcc	aggctttctca	tggggaatca	gectgccaag	tcccttagggt	21600
acttggggctt	ctagtcaactt	tgtgagtcct	atctgtaaata	aaagataaac	agggaaactt	21660
ccttttaaaa	ggaaaaatagg	tcctatggag	aaaacagatc	acacagagaa	aatgaagtta	21720
tcactgacat	tttcaaggaa	tcagagagcca	tggaaaaaca	aggactagat	ggctagacac	21780
caaagaaaagg	gctggtgatg	tagcccagcc	agtaaaggta	ccagggtgcta	aacctgccaa	21840
cacgggttca	gtcccagggc	tcatagcaag	agcagccaac	tgtggttgct	atgtaatgtc	21900
cataaggcgt	ctttggagtg	ttcaaagtat	ctaagctccc	atgaaggcca	tccagctggc	21960
tgcttggcta	atatccttaa	acatccaagg	ttccagagaa	ggatatagtt	acagttaaat	22020
ccccctggct	cacaacatct	taacttattt	gaaaaaaaaa	atatctgagc	atggcagctc	22080
acacctgaaa	tctcagcatt	tgggagcctg	aggcaggagg	gttgccatgc	attggaggcc	22140
aatctggggtt	acacagtaaa	tactaatcag	actacgtaca	agactatgta	gataactat	22200
gtagcaagac	tgtcagaaa	gaaaaataaa	cattaaagag	gtaattagag	taaacgcca	22260
ccattaactg	taatggtatt	taatagtgtt	caaccctcaa	ccaaatgtcc	ctgggaggag	22320
ttgattatt	ttatgtctca	tacacctaaa	cagtagcatc	agtgcgctca	ggattgagga	22380
gcaggccagc	accaccaggg	gtgagaggca	tccgatctag	aagatccctg	cctgaggtag	22440
ccggtaaagt	aagtggctca	gagaaaagtc	agtcacggac	agactccaag	attagactga	22500
cactaagtgc	actgaaaaca	accctatctg	acagtaagga	acgtattggg	tatgagtggg	22560
gaagcaagta	caagaaaagaa	aagcctttcc	ctggtctttc	acctggcaca	tctggcaaca	22620
gcagtacatc	ctaagataaa	cactgagtg	gaatctacaa	actgctctg	ggccatattg	22680
agaggatgag	gagatgggac	acatgagtag	ccagttcact	cttcagtgga	aggttctggg	22740
gagctaaagg	tggctgcaga	ttcattgcct	accaccacc	accacacacc	ctgttcttgt	22800
ccttctctt	gaatcagagc	agagtcttca	gctgctgagc	tcagatacag	cggaagtgat	22860
gttgcactgt	ctccggccat	gctgagagt	ccacagcaga	gctgtgagaa	agtttgggct	22920
ccctcgtact	ccagctcaga	ggcatcttag	agatgcatgc	ccaaccccca	cagaaccacc	22980
cagtgggtggc	cttgtggagg	aaacacaaag	tctccagaag	acccttcca	aattacacat	23040
ttctatcagc	tttaaaaaaa	aatgttggtt	gttcagggat	agttcatgac	ataatattag	23100
cagaaaatgt	cagtaaatac	agctgaaaac	tggaaatgaa	gggctggaga	gatggctcag	23160
cagttaaagag	cactgactgc	acttctgaag	gtcctgagtt	caaactcag	caaccacatg	23220
gtggcttcac	aaccatctgt	aatgagatct	gatgccctct	tctggtgtgt	tggaagacag	23280
ctagtgttct	tacataata	aataaataaa	tctttggggc	agagtgagtg	ggccagagc	23340
aagtggggct	ggagtgcaga	gaggtcctga	gttcaattcc	catcaaccac	atgatggccc	23400
acaccatctg	ttcagctaca	gtctactcat	atacataaaa	taaactctaa	taaaaaactg	23460
aaaaagaaga	aatggttggt	ttcatttgct	tgttattctg	agaggtgtgg	tttttacaaa	23520
tagtggtaac	tataaaaaat	ttaaaaccca	tgcagattgg	gggtggacta	gggaaatggc	23580
tcagtaaate	aagtgccttc	cacacacagg	agatgcactg	gagctctgat	cctctgaact	23640
cctacacaag	caggcgggcc	tggcagctgc	ctgacatccc	cgcactcaga	ggccctgggt	23700
aactgactag	ctagactagc	gggaccggtg	agctctgggc	tcagacagag	atcctgacta	23760
tagaaaagta	aaatcaacca	gggaaggggg	ctgccttcaa	ctttgggatg	ccacattcaa	23820
ccaatgtct	atgcacacac	acgcagcac	gcgcgcgcgc	gcacgcgcac	acacacacac	23880
acacacacac	acactaaata	ccaagagggg	acgtggttgc	ctccaagatg	gaaaatgcat	23940
ctaggagcat	gaagtgcctc	cccattttgt	tttaataaac	ctgccagatc	catttgacac	24000
tttacatctg	tgtataattt	caatttataa	aactaaaagt	aggggggaag	gctgtttata	24060
tttagccaga	atggatccac	aattgggtcta	aaagctttcc	tgtacattca	gcaaggagt	24120
tattaaacaa	tccattattc	tagtaactaa	gataaaaatcc	ctgctgacag	gcacctgggt	24180
attcccagac	cattaaaaatg	cttccataaa	gtctgcttaa	agacacaggt	agcaggccag	24240
gtggtgacac	atcctggctg	cctcagcaga	ccttgcaggt	ctaggtgtgg	agccagagt	24300
gtggggcagc	cctggggcaa	cacaggcaga	cctctggagg	cctgcggagg	tggcatggca	24360
gacgacactg	taggcagctt	gcagaagagc	tggccagggg	ccttaaaggga	catcagctaa	24420
aggcctctgt	ggaccgaaa	cacaggcttg	agggattatt	tggagtcggt	gttgggatga	24480
aaggaattga	cacagattaa	agaatcaact	ccactctggt	gggtgccaga	acaaagggtga	24540
tgctttgtat	aacgatgaag	aaagttctag	aactaggggg	cagctccatg	atagaacacc	24600
tgcttagcag						

tctgttagca	catccctgta	atcccagctg	ctcaaagggc	tgaggcagta	ggagagcaag	25020
ttcaagtctg	gctttggcta	cagagcctgt	gagttaaagc	ccaggcaact	tagcaagacc	25080
cagtctcaaa	acagaaatta	taggcaggag	gtacctggag	ccatagctga	ggatgggtac	25140
tggccaggcc	tgtgtgagtt	ccccaagttc	tattctcatt	cctgaaaaaa	aaaaacaac	25200
aaaaaaaaaa	acataagtgg	tcagttaaac	cttaggataa	gataatctct	ttgaacctgc	25260
tctgcctttt	tgtgagcttt	tatgattatc	aagggtttct	ttctctagta	tataaagcca	25320
tcttaggggg	taagatctat	ttaagtcatt	tattttactt	aaaacggtea	ttttactcaa	25380
gcaggttcat	gaacttcact	gtgttccaca	gtgttcttaa	attgtacagt	tctggaaagc	25440
agttagccaa	ataccaagaa	aatgaatgca	gaatagagtg	aggaacaaag	gcggcccttc	25500
agcatatttt	accttaatag	attttccagc	taataagact	gctgctggag	ggagagtgtc	25560
ctcccgggtg	tcttgacacc	aagtcacaga	agaaattacc	gaatgcgcca	ctggacacct	25620
aggacttttg	attcctccat	gcccagagaa	gcaggtatca	ctcagaagga	tgacaggggc	25680
tggggagggtg	actcagcaga	taaggcactt	ccacaaaagc	ctgatgacct	gagtccaatc	25740
cccatcaccc	actttttttt	tttaaagaga	ggaaggagag	aactgactgc	agttgccctc	25800
tgacttccat	gtgctcccca	aggcgagcaa	cacaccacat	catacacatc	acaataatac	25860
atttttaaag	gatgacattg	agctacacct	gccaaactgtc	cctgatgctg	ccaccactac	25920
aactagacag	aggaggtctt	gcttgggtgg	taagtgaaca	gtcaagggtg	cccacggaga	25980
gccacttctg	ccaggcccac	tcttgaactc	ctaggtctct	acgggctcag	acctcttctg	26040
ctccgctgaa	gctgcagaag	ggactcagct	gtgctactgt	tcctcccca	gggaccatgg	26100
ggcggtgtga	gggaaagggg	actgtctctt	gccttgggtg	tagatcagtc	tccttctctg	26160
tctcacacca	gagcccaggg	attgactcag	gtgatgagag	agtggagaaa	ggaactacac	26220
ccagccccc	tctaagacc	catagcagcc	ccaggacata	agtacagaag	agctgggctg	26280
ggctatgcat	ttgctttata	catttgagtc	aggaagggtg	gcttatggta	cacagctgag	26340
caaggaggca	gatttagctc	atctttataa	gaggtctctg	taggggagca	gtcttaggct	26400
gcagttatcc	cagaggagga	agctgatagc	ttctacatgg	actgttaaaa	tttgcatcca	26460
gaccagggaa	aggctttggc	acctctctga	gcttctactg	ggaaggcttc	gccactccat	26520
gggcctgatg	cgttggaatc	catgacagct	cagcccatgt	caacaacaca	cattcactta	26580
gggtttcatc	tgctcctttc	atgtaacaca	aggctgcttc	tgctacgtgt	ggggatttgg	26640
agagtatatt	tcttgctgga	aatgaatgat	caaagcaagg	ccccacctcc	taggctctat	26700
caggatagaa	gggtcactac	cagaatgagc	cacctctca	ctgacggttg	gtccacttg	26760
caggccttcc	aggattccaa	gacttggttc	tttgttctga	agctcagggt	atagctcct	26820
ctacctccac	acacagcccc	taacccttca	gtgcatagtg	aaccactaag	atctcccact	26880
atgtccccc	agcagccctg	gagtacaggt	cctgtctctt	gcccattctc	aggtgagaga	26940
acctaggctc	agagagatga	cacttcagaa	gataatcaga	aaatggtgga	ggtgattggg	27000
agctcagatc	caaaatgcac	tgcatttctt	tattagatat	ttttaattct	aacggtgtac	27060
ctgggtgttt	gggctgcatg	tgtgtctgtg	catataccgc	ctgtgctctg	tgcccacaga	27120
agccagagaa	gggtgttgga	tttctttctt	tcaattagta	cttctcaaaa	ttcaactatt	27180
catgcatcac	tttaatgatt	tttttttttt	tgccatagcc	acataatggc	ctgtgggtcat	27240
atttatttaa	tgtttttcat	taaacaagct	taggcctttc	cttgaaataa	ttagaaagga	27300
aaacttacag	ttacaaaaaa	atagaggggc	agctgggggt	ttagcaagag	ttggtacagt	27360
gttcacctcg	tatgcacaaa	gccctggctt	ccaccccag	taccagagc	ttgggagagg	27420
aaaggcagga	tcaagagttc	aaggacatgg	ccaggcatgg	tggggcatgc	ctttaatccc	27480
agaggcagac	agatctatgt	gagtttgcat	tcctcctggt	ctgcaaaagt	agtccttgac	27540
agccagggct	ctgttacata	gagaaaacct	gtagcgaana	atgaaaaaac	aaacaacaaa	27600
caacagcaaa	agagcttaag	gtcatctctg	gctgtatagc	aagtttgagc	cggcttgggc	27660
tatacaagac	catcttaaga	gggaggagga	aggggaagaa	aaagaggaaa	caagaaagga	27720
gataaaagaa	ggtgggggga	gtaaccagaa	cgcattatat	aaatgcatga	aattgtcaaa	27780
gaactaagtt	aattaaana	caggaagacc	accatcacca	gcctcgagta	gaaggcagct	27840
gtgtattcta	agcctgcaaa	tagcagtgtg	agtccttgct	cgggggctct	gcttcaaaa	27900
agatggtaaa	gttagtacaa	tgttagagaa	tttcaggaac	caactgcgat	cctttcctcg	27960
atatcatcaa	aggggtggag	agagagacca	acaacgctcc	atagcacagg	cccatcactc	28020
atgtgcctga	gaagctggag	ccaaggtact	gtctcttcaa	gcttccactg	caataatggt	28080
tcagtgcacat	tttatgcca	ttggtgatag	ctaaactagc	ccattttcac	ctaaaagccc	28140
acacctggca	ccgtagtttg	tctgtcttg	caaaaaatgc	cggtcagat	ggagataaga	28200
accgtggcag	gaacagatgc	atctgatctc	agtcacactg	ccaacctatt	ccttctctct	28260
gaggcagctc	atgctgagga	gtgctggcta	gcaccagtgg	tacacagctg	aagaccatga	28320
ctgcctttct	cccagaattc	ccagcaagag	gcattgagcc	caataagtc	cccctccagc	2838

ctgttttggg	agtctctgga	gcattccctga	ccaatgactg	acatggaagt	gctccaaacc	28800
tctgtcttct	gggggttctg	tttagtaacc	cacagcctct	aggaacagtg	ttatccagac	28860
atgtagggtg	tctctcttct	aatgtgtgcg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	28920
tataattgtg	ctacaatata	gtaagtttac	acacttggtt	tggttaacca	ccccaccacc	28980
atcccgtctc	cccacttctt	tctctaatta	aatctttcca	ctccaaagag	cattactgct	29040
attgcagaga	acatggggtt	gcttcccaga	accacttggt	cagcttacag	ccatagtaac	29100
tacagtctct	gggagtcag	tacccccttc	tggcccctgc	ctgcaccaga	tacacacaca	29160
cacacacaca	cacacacaca	cacacacaca	catatcatat	acttagatac	ctgcaggcaa	29220
gacatttgta	catataaaact	aaaaaactaaa	tcttaaacaa	aaaaaaaaatt	tccactcaaa	29280
gtcttcaccc	tctctgtttt	cactttatct	gtgtcttgct	atcccttctc	ccttaaaggg	29340
aagaaggaca	gagggaggag	ggagggagga	ggaagggaga	gagggagaga	gagaaagaga	29400
gagacagact	cctagtttcc	tggcttccac	aagtgtctca	aggttaagcat	gcataactaa	29460
agaatcaaag	ctaagtaagg	gctggagaga	tggttcagtg	gttaagagca	atgactgctc	29520
ttccaaagggt	cctgagttca	gttcccacat	ggtggctcac	aaccatctgt	actgagatct	29580
ggtgcccctct	tctggcctcc	aggtatacat	gcaggagaaa	tgctgtatac	atgataaata	29640
aatattttaca	aaaaaagaat	caaagctaag	agccatatgt	aaggatgtaa	cagcatcttt	29700
ctgggcctga	gcaacactat	atataattttt	ccagttccat	atgtttacct	atgaataaaa	29760
ttcataagta	tatatgcttt	gttaaaaaata	acaaaacatt	tcaggatagc	cagggtctacc	29820
cagagaaact	gtcttttaaat	aaataaaaaca	aaacaaaaca	aaacaaaaca	gataccaaat	29880
ccacaagcag	tccaatcaat	actgaaacgc	tggttttgca	agctaccggg	gttttaaatca	29940
tcttaacgtt	tctttctctt	tccatctttc	cacttctttc	ctgcccttct	tcagcttgag	30000
ctttcctcgc	cactgacgtc	agccttgctc	tctcacatc	tctcttccca	ctgcaggcct	30060
catcctcgaa	ccttctctct	acccttctca	ggctcctctc	ccctcaccat	atcacccaca	30120
gcattccctt	tctgcagccc	agtcaggacc	ttcctggctc	tctaaagtca	gctgggggag	30180
gggcttgacg	gcctcaggtt	agtcctagtt	aaacagagct	agccttttca	gacaactgat	30240
ctccttcaaa	agaccacaat	actgccttcc	gtttcccctg	aagttcagat	gttaacctgt	30300
ccagaccttc	aaaagtccta	ctgcctctga	gcttgagctt	tttcagtgtg	ggtaatgggg	30360
aattttgga	ctgaaattaa	gtctacactt	aacaaaggaa	ggaactcttc	atctacaaat	30420
tcagccacca	gccagccttt	ccggttttcca	tcatttcatt	tggatcatct	agaccaagtt	30480
ctggaataat	tgcttaggtc	ttccccacc	cccaccccca	cccacccctt	ggcctggtag	30540
atccccctct	ccacatccct	gttttccttg	ttacttctct	tcagatttag	ttttccgtga	30600
ggcaagagtg	gagaagggag	agatgtacta	gcctgtgctc	ctgtgtcaca	ctcttgctac	30660
tcagttccac	tcttaaaatt	tctgggtcca	gaggaataga	gatgacctca	catgcaaccc	30720
tgcttgactt	acttttctat	tgctctaagg	aggcaacatg	gccacagcaa	cttgtaaaag	30780
cattttaatt	ggggttgaca	gtttctcaga	ggttgatctc	atgaccatca	tgggtgggag	30840
ataccgggag	gcaggcatgg	tggacaggca	gtcgtgggat	ggctctggag	ctggttgaga	30900
gcacttattt	gctgattgaa	agctcaaagc	ctacccccag	tgacacacct	cctccaacag	30960
ggccacaccc	cctaatectt	ctcaaacagt	tccaccaagt	attcaaatat	atgagcctat	31020
aggggccatt	ctcattcaaa	ccccaccccc	acccccgtgg	ccctactaag	ggcatcagat	31080
agggcctatg	gaaaagttat	aaacctctct	accaccactc	tgggttccag	caacccaagg	31140
ccaccatttt	ctactcttgc	ttaaccaaca	ccaccagga	tctctcagcc	tcagcctgga	31200
atgagggaa	cctcttgtct	cttttcatte	aaactccgtat	tcttccctca	ttccacccat	31260
ggatggaaag	attcaccccc	tccactgtag	agtaacacac	acgtatgaca	agccacttca	31320
ctgccctgca	tcttacttct	gctctgaagt	tctgtcagcc	aaaacgtatt	gagcatgaa	31380
gactgtcagt	tgctgctttg	tgtggtgggt	acaagtttaag	gtccgactgt	agctgtctgc	31440
ttgctggaga	gactgggaac	cagtagttgc	ttagcccatg	gggctggaga	cctcagcagt	31500
tccagtgtgg	ttctgaggag	aacctattcc	agcagcagca	gaggtagcca	caggatagct	31560
tgactcaca	gactcatgaa	ctcaagaaga	ggagagatga	acttgtaagc	agggtagtg	31620
agctcacacc	tgagcgggtg	aggcaagcag	gtaagaagag	cttccccctg	gaccttctgt	31680
ctggggccatc	tacactcaga	tgggcctccc	acttcattta	ctagaagcaa	gcaaatecct	31740
ctcagcgctg	ctgaggttaa	cctaactcggc	ataacgcctc	ataggtgtac	ccagagcttg	31800
tcccgtgata	ctagatcctg	tcaggttgaa	aatgttaacc	atctcaaggg	tcgtacacat	31860
tccaaaaagg	cactgtgttg	gctattcttg	gtgttcaact	tgactacatc	tgggaattaac	31920
taaaacccaa	gtgactgagt	atgcctggga	gggagatttt	cttaagtcat	ttgaagtggg	31980
aagacccact	tttaatccag	aacttctaag	gtgggcagat	tcacctttaa	tcagcctatt	32040
tcaatgacat	ggaggatgga	agtttgttct	ctttgcctgc	tagcccttgt	tggcaagtcc	32100
atcacttcac	tgaaccaaag	cctgtaaaggc	attcttcctt	tgtttggttg	gacaggggtt	32160
cctgtagccc	tggctatcct	ggtattcagt	ctgtaaacca	ggctggcctt	gaactcagag	32220
atccaagtgt	ctctgcttcc	caagtgtctg	gatcaaagg	ctgaaccact	aataaattgt	32280
gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	acacatatat	atgagagggg	32340
gtgagagaga	gagtcattct	gtaaattctg	ttcctctgag	aaccttgact	aataaagctg	32400
cagactgctt	agtatccttt	ttgttctctt	tggggacaca	cacaaatgag	tgaacggact	32460
acagtgggca	acattcttct	atgtctggtg	gctgcccctg	ggctgttttag	tccacccttg	32520

tgtaggagact	cttttgcctc	caagtgtctg	catctgacct	gtgccctttt	aaatctgttg	32580
ctaattttgt	ctctgggggt	ccaagtagag	acttttcagt	gatctttcct	catgatgaaa	32640
atgggtgac	tgttattgga	agtccttggc	ctaagcaagc	tctgatttaa	tctaactata	32700
tcatgtgctc	ttctaatac	ttgctccggg	tccctgagca	ttgctgtact	cattcatggg	32760
tcatttttgc	attaatctgg	ctcaatccat	gttcacaatg	atgattttgat	aaaggctgaa	32820
aatgtgaagc	ggatggtaac	agttctgtgc	cctggattcc	aacaagaaga	tgcatgctcc	32880
tccagcccac	tctgggtgac	tctaggggac	ggagacaagg	gtcttacaga	gatgtcagag	32940
tatctgactc	cttgacagct	agtggcctca	cagggagact	catcaggggt	caatgctctt	33000
tctggtaaga	tgaactccag	ctcaccctgc	atcttgatct	gtccacactg	cttgggtgtg	33060
agacttcctg	tagccatgta	aagtgggaca	tctggcctac	tggtgattct	ctaagaagga	33120
atttccacca	agcaggacac	ctgaacacat	tcttaacatt	gactcttact	ttggctacca	33180
aaagaagcct	ttgagcccta	tgtggtagca	cagacctgca	atcccagtac	tcaggaggta	33240
gatgaggtgg	atctggagtt	ctaggtcatc	cttgggtgca	tagcaagttt	atatttgagc	33300
ttggccttgg	ctgcatgaaa	cccttgtctt	ccaggagaca	aaaaacaaaa	caggcaaat	33360
tcccttaaga	agctcacact	ccgcctatcc	actgtgcttg	ccttcttccc	aatcacatg	33420
gcctcctctc	ctccattaac	gcccatgctt	aaaggtctct	ctaaaaatgt	cttttagtaa	33480
actccaattc	tactacattt	aaagaagggg	gaaggtgagc	cccacatgct	acaccccaca	33540
gttccagggt	gctaggcttc	cggctggggg	ctgcctcttg	gtactgcctt	gccctggaat	33600
gtcagttcag	ctaaaggcct	cacacaaaag	atgaaagccc	tgagtcctct	tactgcttct	33660
tagcacacaa	gcagtttctt	tcactccctt	aggctctagc	aggccttcac	cttcaagggg	33720
tctctttccc	tctattctgc	cttctctgtc	tctctctctc	tctctctctc	tctccctccc	33780
tccctccctc	cctccctctc	tccctctctc	tctccctctc	tctccctccc	tctctctctc	33840
tctctctccc	tcccttcttc	ctccctccc	tcccttctct	tcttctcttt	cattttcttt	33900
ccctttttgt	cccttcatga	gaaaaagcat	atttgtaaat	cccaatttaa	aatataaata	33960
aacgaaaaa	gtaagtctca	accaaatgag	gcctaaatca	gccctggaag	attagtacct	34020
gtttctactc	aagttaataa	tttactctgt	gtccctctgt	gcatgcttgg	cttcaacaga	34080
ggatctttaa	catgggatgc	aacttcgccca	gagagcttca	gttctcagga	ggcatgtgga	34140
catcgtggag	gttgaggagg	ggcagatgga	tgctgggaag	caaatggaaa	gcctgagggt	34200
ccaagtcaaa	tctgtgactc	acgcagtaag	gaggtttgag	ctggggctgc	ccaagggagg	34260
agggtacta	caggcaatga	ttaagattta	tgtatttatt	ttatgtatga	gtacctgtc	34320
gtgtgatagg	tggttgtag	ccttcattgt	gttgttgga	attgaattta	ggacctcggc	34380
tcactctgat	caaccccgct	cgttccagcc	caaagattta	tttattatta	tacataagta	34440
actgtagct	gacttcagac	acaccagaag	agggcatcag	atctcattac	gggtggttat	34500
gaaccacctt	gtggctgctg	ggatttgaac	tcaggacctt	ctgaagagaa	gtccgtgctc	34560
ttaccactg	agccatctca	ccacccctt	aaattgttat	ttttaaaact	atatgaaata	34620
aactttacca	tctaaatggg	gaggggtgac	cagtctccgc	acataggagg	tataagggca	34680
ggaagatcag	atcttaaagg	tcagcctaca	tgagaccctg	tctcataaaa	accaagtaat	34740
taataatagc	aattaataat	taataataat	aggacagcag	tagcaattat	tggttgctgg	34800
ggatacagct	ctagtgaac	acttagccaa	agggctctaa	attcaatgtt	gaggacagcc	34860
aaaaataaaa	taaaaagttc	catgttggtc	ccccacacac	actttttttt	ttttttgaat	34920
gactctcact	atgtagccct	gcctgggtctg	caatgtacta	tgtagcctag	gctagcctca	34980
tactcaaaag	agggtagcc	tgccactacc	tctgcctcta	gagtactaga	attatcagca	35040
tgctcaggca	cactgggtct	tgtttgtttt	tttgagacaa	gatctcatga	atccccact	35100
ggcctcagat	tctccatgta	gtcaacgata	atcttgaatt	tatactggaa	aatggttagca	35160
atctggagat	taacaagaga	ggagctgact	gtgtgtatgt	agcccaggat	gaccttgaat	35220
cctgccttgg	ctacagagc	gctgggacta	taggggtatc	acactgtgct	tgccctgctc	35280
tatgtaaagg	tggaacgaat	ttcccctgtg	cctgtggaac	acgtttctct	gaccactcca	35340
tccaccagtg	ggcgtttggc	ttgacccac	atctcttggc	cactggggat	gatctgaacc	35400
cagtgcattc	ttctcaaaat	acactgaggt	gggatcattg	gatcacagac	gttcttagag	35460
cctagcctac	cccctggggc	tacaggaagc	tcacagtttc	tgttgggtga	ttggttggtt	35520
tgccctccc	caaaccctcg	ccacctcccc	ccaacctggg	tttctctctg	tggtctctct	35580
gatgtcttca	aactcactct	gtaaaccagg	ctgacctgca	cctcagagct	ctgcctgtct	35640
ctgcctccct	agtgttgggg	ttaaagacat	gtacctcgg	ctatacctac	agacgtgctc	35700
aaggtatgta	cacagactc	accttggcat	cccttcacct	gcctaagaga	ctaaggatca	35760
gaagtaaac	ctacctgctt	ctctggaaga	ttcaggtttt	cctcagggta	ctcgagcctc	35820
tcaacctagc	atgggtctggg	ccttatcctt	acgaatgtac	actcaaacac	aaagacaagg	35880
ctctcccagc	ctgcccta	aacttttttt	accaaacagg	tcatgagtca	atggtgcccc	35940


```

agccctccct cacaaccccc caggctggcc tagccacacc ctgccacttc tatccaggca 36360
gcagggtctt ctttccagag cagggggggg ggggtcaggg aggagcctgg ggattaggga 36420
gggacactga gttcttcaag caagaactgt tccccatcta aggccatccc ctcctccagg 36480
cccagctatg cagggagcct ggctgctgct gctgctgggc ctcaggcttc agctgtcctt 36540
tgggtgctatt ccaggtaagg aggcctcccc aactgcttgt cccactcac aagcacagcc 36600
ttccactgac acctgcctcc ggtctcccc ttggccagtg gaggagaaga actcggcctt 36660
ctggaatcaa aaggcgaaga aggccttggg tgttgccaaa aagctgcagc ccattcagac 36720
atcagccagg aacctcatca tcttctctgg agacagttag tgtgtgagca cggcctggcc 36780
acctgggggc cccctgagct ccaggcatcc attgatgtgt ccaggaaagc ctggtgttca 36840
gatcgaacca gattctgttt ttgtagggtt gggggtgccc acggtgacag ccaccaggat 36900
c 36901

```

<210> 7

<211> 13330

<212> DNA

<213> Homo sapiens

<400> 7

```

gatccaccgc gccttccccg agcaggccct gctgcgccgg cccccccgc cccaaacaag 60
gatgctcagt gacctggtgg aattctgcga ccagatgggg ctgcccgctg acttcagctc 120
cgcaggagcc ctcaatgtga gtggtgggca ggattcgggg gaggccctgc ttgggggaaa 180
gaagagaaaag acctggaagg tggggtgggt cagcggcctc tgcttcccc cagagtccct 240
ccccttcagc caggtctctc ctgtaggga ggaggccctg ggagaaaggg cccctctgag 300
tcacaggggc cctgacagtg ggacctgccc cttcaccagg actgtgcaa gcggggggac 360
cctggaggcc tagcagagg caggggtcct gtggccagaa agggctgggt ttggggccag 420
aggctttcag agtcggggct ggaattgtag gaatcccggt aatgttctct gtgggtactt 480
tcagggtgct cctgcctggg gcaaagctaa gaaaccagg gccttggctg tggctctgga 540
ggaggggagac atctcaccca ggcccaacct tgggagggga aggcagggtc cccaggccag 600
agagctggag cccagtgaat ccaggccagc cagcaaaaac atggaagtgt gggccacagg 660
gtgtgggcgg ctgccccctc tcccaccca tccctctga gcagggtga gccccacagg 720
caactcctcc ccccagagcc gggcatgagg tgctcagcgg atgacagggc ccagagtctc 780
tgcccagact ggaccacacg tcacataggt ttctgggatt tgcttctaga aaagcctgac 840
ccaaacattt ggagatgaca agtactcact ggcccgcagg gagggtgctc ccaacatgtg 900
ctccggggcc atgcaggtaa ggaggggcca agcacaggcc cccaccgttc ctgctgctc 1020
ctagccccag tccctgtgac tccacgtgca agcacaggcc cccaccgttc ctgctgctc 1080
tggacatggc tgggtggacg ggggctgctc ctctctgcc agagggtggg agaggaggcc 1140
gacccaggc agcacctagg agggggcacc ctgagcctct tgagtttgag ccgctgtctc 1200
ctgctcacac tcgctcaagg acagagtgc ctggagctga ggggctactg agacctctg 1260
tcaggctggg gtcttgagg agagacagg tcccatgtgg ttctctgtcc cagggaacac 1320
tccgcagcct ccatccccac atgtggagtc cagaactagc tgtcagcctc tggccagtgt 1380
gggaaagaag cggacttggc cgggggccta ggcttgggct tgcaggaggg tggcagcctg 1440
tggggtggac agctgggctt gctctgggat gcctgtcaca gcgccccagg ctgagcttcc 1500
cccatgcagg gcccgagcat cctgggacca ggaccccaga ggacctcgg gtcagcggga 1560
gcagtggatg ctgatgggtc ggctctgggt cccaccccgg cccaggggca gagacaggct 1620
gtatttttag ggctcggta ctcggcagat tcaatctgtt cacaagaact gatggcttca 1680
gctgacctca gtggatttat tttctgacac ttcaagctct gctgggtttg aagccatcag 1740
ggcctgcttg ggcttggta ccgtgacctg cccccagtca caagtgtctg cccagccaag 1800
cacctgtggc acccacagcg gagaggggct gggccgtgcc cactgggctc tctctgttct 1860
acactgcagc ggctctaggc ctggcagaga aggcacagca gccctgagt cccagaactg 1920
cctctggctc tgccctgctg gggccctcc catgtccctg cctctgacgc catcacctcc 1980
aaggaggtag aagccaagct ggagctccag agatcgagc cgctccggag ttagccagag 2040
ccgaaaagc ctgcattctc ctggctcgcc tccaggagag ctgagaggtg ccttgcccg 2100
ggaatccgat ggcagagagt taccaggtct gcggtgctcc tgttctcag ccccggaac 2160
tggggtgggg acagggcagg gcagcagcag agagcacaga aaggtgtgag ggggcacaca 2220
gtccccagtg agcatctgca tcaggacacc agggctgtcc gagggctgtc ccagggatgg 2280
ctgggctgtg gggaaagcca tgggtcccc ccatccacc cgacctgag ccacctccac 2340
cagccaagag gggccagggc cttcatcaa cctcaccag gtcatctggg gaactgggac 2400
accactgaga acaaagccca gacatgtctg ggagtggagg ctgtgcccac ctccccaga 2460
gacttgcccc cgacttaacc cagggcccag caggggctgg aagggaagtg gagttaggga 2520
gcggagcagg tcacatcag ctgcgccctg gattccaggg cccgtgtgca cagagtaacg 2580
ggagccggct gtctgtctgg ccaagggcac agggggtga gtgtgtacag cagccaggga 2640
gcaagggagc cagagagaca tacaggcgtg accttgacc tctgcgagga acccgttcac

```


tcgctcccag	gcagtagcac	tggccctgac	accagccct	gaaagctcgg	ggactgcagg	2700
acaaacagct	tcaggggctg	tggccccagc	tgggacgggc	tatgcgctgg	tccctagaga	2760
ctctcgggtat	ctccccctgc	cccagtcctg	cctcctgccc	agcacaaggg	cctttggaac	2820
tcagccctct	gtgtctcagc	ccccgggagg	gtcaggtgtc	agagacgaga	agggccgagg	2880
ctggcaggcc	ggaaactgcc	tcccttgact	gctgtggggg	ggagtattgg	cgagcacaga	2940
gggtgcccg	tgaagcgtgg	cttcagctgg	gcgggatcag	tgccagaggg	gatgaggacg	3000
gccccgacca	aagggtgggc	taggctggag	aggaagctcc	aagagcctga	ggcccgtatt	3060
gcacagggca	ggggatcgca	tcctgggctt	tctctccctc	ctcccactct	ggccagatgg	3120
gaggatggac	gttgccctct	tgaacaaaga	cccacagget	ccttggtctc	tgtttgtgtc	3180
tccagcagac	agcgtctgca	gcccctggtc	caacaaaacc	gcaggcggcc	tcctcctctt	3240
cctcctcctc	attgtctctc	tcgaccacca	ccacctcctc	cttccaccac	ctcctccttc	3300
tcctcctcgg	ctgtgcctc	ctcctcgtcc	tcctcctcct	cctcctcgtc	agcagtcgca	3360
gcctcctcgt	cctcctcctc	ctcatccgca	gtgcctcctc	cctcctcctc	tgctccacc	3420
tctgccatcg	ccacgtcctc	ctcctcctcc	cccaccccc	gccgtacct	ttctttcttc	3480
ttccttcttc	ctgggcgaga	gtagcagccc	cggcccatg	ctggggaagg	gtaggccaga	3540
gactcttccc	tcctgggtgg	gctcagcagt	gactcagcag	ggactggact	tcggaggctc	3600
agctcgtg	ccctaccctg	acagcatcct	gggggttcc	ggctccctgg	tcctcagcag	3660
gggtgggctt	tcaggccat	tctcagtgt	gccacctga	gggcatctgg	gaggccagg	3720
caggccagat	ttgtctcctg	gaaaggacat	gggtacctc	gggtctgccc	cagcctcctg	3780
gcctccccct	ggggccccct	gtgcagcaag	ggcctggcc	ccagtcctcc	ctggcgtcac	3840
tcagcaacca	gcagcccatt	aggtctgtcc	acacatcgct	gccgacggtg	aggctgtggg	3900
tggtgccagc	cttcagggcc	tggtggggca	gctctgggct	tgtaggctc	tgacccatcc	3960
cgtcccgcag	atggcactgt	acttctgtct	ggggctgctg	caggaccag	cgagttccg	4020
gcactacg	ctcaatgtgc	ccctgtacac	acacttcacc	tcgcccaccc	gccgctttgc	4080
cgacgtcctg	gtgcaccg	tcctggctgc	cgcttaggt	gaggggtgca	gtcgggtca	4140
gggcagacct	gggccagctc	agggctgccc	acccccacag	tggtgtctca	gtggcccaag	4200
accattctgc	cgtgacagcg	gaggtccaag	ggtcgggcga	cccaagtgca	ggggagcctg	4260
gcctggaaac	tctccctacg	ggccggtgct	gcagaagctg	catggagccc	acagccagcc	4320
ctggacacag	ccgggaggag	ggcgtgacc	tcgaagggcc	gctttctgct	gccctgggag	4380
ctgggtgctt	ggggctctaa	tctgtcggcg	gggtgagc	gccatgcagc	ccatccccca	4440
gccatagctc	ttcccagccc	cccaggctcc	cactctcatg	cctcaccccc	tcttcccagg	4500
ctataggagg	cgactagaca	tggcgcccga	tacctgcag	aaacaggcgg	accactgtaa	4560
cgaccgccc	atggcgtcca	agcgcgtgca	ggagctcagt	accagtctct	tctttgctgt	4620
tctggtcaag	gtgagccctc	cagcctgggt	ccccacact	cctctgggt	cccagccctc	4680
ctgggcacct	gctcaccagg	aggcctcgag	gagcccagg	cagtgccagg	agggtgccatg	4740
gctgcagcac	tgctcctgca	ggagatggc	cccctggagt	cagaagccat	gggtgatgggc	4800
atcctgaagc	aagccttcga	cgtgctgggt	ctgcgtacg	gcgtgcagaa	gcgcctctac	4860
tgcaacgtga	gtgccctggg	agagcccggg	ggcgggcagg	gcagcccaag	ccatcccgc	4920
ctggaggggc	acaggctgtg	atgggtcaca	ctccacccct	cgctccccc	gccctagcac	4980
aaagcccacc	tgatgggcct	tgctgagacg	cccagctctc	ccacctggga	tggtggctcc	5040
aggcccagg	tcaggcctgg	cccccttccc	caaggaccca	ggaaccagag	agcaggcccc	5100
tccatggcca	gtacagctcg	gcagggtgtg	caggctttgg	ggactgtgtt	tataggaacg	5160
tgaaggaatg	aaaggccagc	gaatggtccg	tggccgcttt	ggaaactgtg	tcctctgaag	5220
acaaggaaga	gagctgtccc	tggtcggct	cctgcccctga	gtgactgttg	actcacagtt	5280
ctctctccaa	ggggacatgc	gcctgtccta	atgctgcctt	aggggcttgg	ctccagctgg	5340
ccctggggtc	tgtaggtcac	cactgtcctc	tgtgcctggc	tttgaatttc	ctaactcca	5400
gagtgcctcg	ggagtacagt	gtccagccc	ttgtgtgcag	taaacgtggg	gttcataacc	5460
gggagctggg	cagaagagga	acgacagagt	ccccctgcgg	accctggggg	ctctgtatcc	5520
tgaagttcaa	gcctagctca	ccctgctgtg	ggcccagccc	tgctgcact	gacagatggc	5580
accagcagg	ggcgagcgc	tccgcccga	cagttctctg	tccccacctc	agtgcagtc	5640
gccctggacc	ccccaccact	tgccccccat	agcacacaga	gccacggggc	ttcccagccc	5700
ccacccctgg	cccttggtca	ctctcacctg	ctgcctcagc	tgaagggtgg	ctggcagggc	5760
ctccctgaag	ctccctccag	ccaggcaagg	gtgggcccag	gccgagggct	gagggccg	5820
tccaagcatt	gaagccctcc	agggtggaag	ggcaggcagc	agcatccaga	gctgaggcct	5880
gaggcttggg	gtttgcactc	caggcactgg	ccctgcggtc	ccaccacttc	cagaagggtg	5940
gcaagaagcc	ggaactcacg	ctggctgtgg	agcctgagga	catggagcag	gagccagcac	6000
agcaggctag	aacccctctg	tgtcccagcc	ccctaagtcc	tgatgacccc	tctcctgcct	6060
cctgcggtgc	ccctcattcc	ttcatctgtg	tcccctgggc	tccccagca	ctgcagcctc	6120
ccgggtgggg	ttttaggggc	ctcccagctc	accagacccc	cctcctgtgg	gtcctgcttt	6180
ctggcaccac	cttcccttcc	ttgggggcaa	ccacagtgg	gagaggagg	gctctgctg	6240
tcccgctaat	gcaggggtgc	tggccttcta	gggtccttta	gagaacctga	tgaaagctat	6300
gagtttacac	ccaagaaatt	gtctggaacc	gttttcacca	acagtgtgcc	ctgaacgcgg	6360
accaggccc	tcaggttgtg	tttcataagc	cttgggagcg	ctcaggatgc	atctgactcc	6420

ccaactctgc	cctgaccacg	ggcatctctc	ctggaggggg	ccccattac	agacaggcga	6480
gcagaggcct	ccagaggccg	aaggaggggc	caggggtcct	gctgcaggga	tggaggcaga	6540
gtctgcgctc	gacatcaggc	cctgccatcc	ttgtcccttc	acggctgggc	tctgcacagg	6600
tcatcaccat	cttcagcctg	gtggagggtg	tcttcagggc	agagtccaca	gccctcaagt	6660
acagcgccat	cctgaagcgg	ccaggcaccc	agggccacct	gggccctgag	aaggaggagg	6720
aggagtctga	cggtgagccc	gaggactcaa	gcaccagctg	agctccacca	gccgcctgcc	6780
ccgcctgccc	cgcttgccctg	tcccgccaca	ctggctttag	gacctgttga	cacggagggg	6840
ggtttttaat	ttggttttta	acaactcagg	ggtttgtttt	tattttttatt	taatttttgc	6900
agctcaactt	ttaaacaacac	tgcaggggag	agggctgggc	tggaaaggaa	gctgaggcct	6960
ggtcagcagt	gaccccagca	gagcaggccc	cagtcctcct	gggaggctgg	ccccctttt	7020
ttctgggccc	tactgccctc	ctctgcccag	gaaatggggg	ggtttcagca	actcagtgtc	7080
acagaataaa	atcaagtgtg	gagtgccatc	tggtgtgtag	ggcgctctg	ggaagcctgg	7140
gcagcagaat	gcccccttgca	cccagggcaa	gggaccaggt	tcaggcttca	cccctcgctg	7200
ctgagccgat	gtcaacacct	ggaactttcc	tgtcagttcc	aacacgattc	agagctggct	7260
gcctggcaga	tgattgatac	tggagttctc	ttctgcctga	ttaaaaatgg	aattagtatg	7320
caacactgag	agcgcccca	tcacctgac	gaatgtgact	gtgtctgacg	aatgtgactg	7380
tgtccaaccc	tgcccccaact	tcctctctgc	accagctccg	cagggcctgg	tgggagctat	7440
gggtctgtg	ataccacctc	ccctcagttc	ctcaagcagc	actctgtgag	gtcctgtgcc	7500
cagctctggg	gtgagtgggt	gccccggcag	caccaaggga	gcctggacag	aggagccggc	7560
ctgggcctgg	gggaggggag	gagggccctc	cagtgccttc	caaaccagga	ggggaaactg	7620
gctgctgggt	acacagcctg	ggtgacacgg	atcccacctg	cctcagtcct	gagcagagct	7680
ggctggccac	tgggcagtc	cttccccagc	cagcctgacc	ccagcctgta	ctccttcccc	7740
ctccgtgggg	gaagctccgt	ggcttggcgt	ccccgagagc	tgccagaaac	taggatgaaa	7800
gccatggtga	gcacggcctc	tgttccctg	caccatttcc	tggggtgtcc	ggattaacaa	7860
gctcatttga	tctggtttaca	gtgaattttc	ttcaaagaaa	cactcaatag	ggtcccttgt	7920
cagagtgcct	cgcagcgaca	gtgactgggt	actgctgcct	ttgtcctgcc	accgtcagac	7980
ggggctgggt	atgggaggca	accaaagaca	ttccgcacct	ggcctggggag	cctttccctc	8040
ctccagggct	cagccacctc	aggcggcctt	ccgtctgtgt	gtcctgccac	ccccgagatg	8100
tcccagaggc	cacggtcacc	ccatctgttc	ctgtccccag	aacctttctc	tggagccaag	8160
tatctgcagg	gacagacagg	cgagcgtctg	ggggtttggg	gttgggggtg	agaaggctgt	8220
gggggtgctg	cccagcccag	gcagcctgac	tgtgagagcc	ccaaacagga	gagcccaaaa	8280
caggaaggac	cagggccctt	cccctcccct	ccatgctgcc	cacctctctga	ggagcagtg	8340
ccaagttcct	ctctgggctt	ctcgggccag	gctgaccctg	tcccccaggg	cctcccacga	8400
agcatgggag	ctgtttccctc	acaggcagca	cagacccgga	cggacactg	tccttatgtc	8460
ccagcgcccc	tacggccccg	tgaggagtag	ccaggggggt	gaacaagggg	gttctgtctg	8520
cctgggcttg	tttgggaagc	agatgctggg	ctcagagttt	cttcagagag	cctcaccttc	8580
cgtgctggcc	ccagagcatg	gcgggtccct	ggagctgtgg	aggccatggc	agccccagcc	8640
cacccacacc	catctgggga	agtggaaacc	gtatccacga	gggtcaggtc	aggtctctgc	8700
ctccagtga	ctggcaaggt	tgtgcccagc	caggacctgg	gctcaggccc	aggcagccgc	8760
cacaccctac	ccagagctca	gagaaggcag	cccagccttc	tccccacacc	agtcacaccg	8820
agccccgcgt	ctgcattcac	tcctttaagg	aacatggttg	actgaatccg	gtgccgcgca	8880
ttcacaggat	ggctctccat	gggtccactg	gggcccagcc	tcttatgtgg	cccctcgcta	8940
aaaggactca	acagaaaagag	tgaccaggca	ccgacctca	tctaaaggag	gacttgcca	9000
ttccttgggc	tgtcccacag	cacctgccgg	ccagggcccg	ggcacagagc	gagactgtct	9060
tttctcaag	gagacaccgt	gggggaggga	gggagaggta	gacaccacca	acctcattcc	9120
atgaccaggg	cctggcgatg	ctcagaagcc	agtgagtgtg	tccctgcctt	gaagggtcag	9180
tgtggcccc	ctggacctag	ggggaagatg	gtgcaggcag	tggcccagcc	tgagggaagg	9240
gctgaagctc	tcaagagttt	gcagccaccc	tcctggggag	agactgacgc	ctccccagtt	9300
cctgttagga	aggacctcag	gaaagaactg	gaattacaca	gcctgggggtg	gcagcctcct	9360
ggtccctgag	gaggatgtca	ggccgcagaa	gggaggaacg	ggcatgaagc	tggggaagc	9420
ggcgccagag	gagggcaggc	ctctgcagaa	gcagcaccag	agggcactgc	agcggtccca	9480
ccaccagca	gcgcgcgcag	gaggcagga	gtgggaggcc	aggcaggagg	ggctgtgatt	9540
gcccaggtgc	caggaggaag	ggctgagagg	ggacagtgca	gatgtccaga	gaggcctgac	9600
agggacaggc	tgcgaaagtc	acgggtgggg	atgggcttcc	gccagagttg	tgtgtggcct	9660
gaggacagtg	cagcaaggag	gccccatggt	gagcacatgc	agccgaagtg	acaggttggg	9720
ctcctttgtg	ggacaagagc	ctctccaggc	cactgcaggg	tgttcagaga	acaaggccta	9780
caaggatctg	ctgtgcctgc	agctgggcag	tagaacactg	agcatgcagg	gccgggggtg	9840
gaagcagg						


```

ttactatagg cggaaagtgc agagtagcgc gctcctgctg tcaactccctc ctccaagtc 10260
acaaagaggc aagaaaggga ggattttaag gcctatccat accgcatggc aggtgagagc 10320
agaggagcaa acagcacttt tggatcctgg aaagcagaag gtgagtgtcc caggcgtagc 10380
tgacctgaga aaggcgactc caaagccagc agcagcaaca gctggaactg cccagcctg 10440
caccacggga ccccgagctc tgagactgag agcagctctg gggacctctg ggctgggggtg 10500
aagaggggatg gctggaatca ttgttgcaaa caattcagta ggcaggcagc tccctagatc 10560
ccaccgtggt ctgcagaggc cagcacctgt cccgacctct tactggtcgg ccctggagag 10620
ccatctccta cagaggcaaa atgaacggtc tctgggccag gaccaggcct gttcaggggg 10680
atgtgtggct aagtgcataa gggatgctga gactacagcc ctctgcccc a ggcagcgctc 10740
agggcattgga tagccaggcc ctccccatcc aggccagaga tgggaagact ccatccaatc 10800
tcattccatg accagggaact ggcaaagctc tcagttctct ctccatccca gcaggagaca 10860
aagaacccaa cctcagagat tcctcaactc ggagaccag ccaggccacc ctccagagca 10920
tctcagtctg caagcccctt ggtgtgctca gagcttccag tcacactgct catgcctatc 10980
cgtgcacagc cagggtattg ccttcgtgga ggaaaacttc atgaaacaaa aaacaagctc 11040
cgtgggggaa acagaccata gaggaaaaag aaagctgtag aaaaagaaat gatgaatgcc 11100
ttcctggagg tgagaaagcc atcgtgaaac gagaggaggt tgctccaaa agttcctaga 11160
gagcaaaaca agggcccttg gaggcacaa gattgccacc gtggagacac atttcagcgc 11220
cactagagta aaacactgc agacaggtag gctctcaaca gatacatgtc cctcgcttc 11280
tcaggaaaga tgggcagtaa tgagggcaga agccacaaag aggaaaccgt agtgacagga 11340
cccagggtcc ttcaagctgc ggtggggcaa gcgctcgga cagtggtag ggagcagctc 11400
agccccaggt ggtgcctggc aaccgcgcc gggacgtccc acccaggga gcagtagagt 11460
gacatggata gaaagctgaa ttccccagaa gagcctggag gacattgaag tacttcgcat 11520
agagcctcgg gttggattag tagtacatac agaattgatc acatgtgaag ataagacat 11580
gattggctcc agagaaaaca gcagtgaag caagaagagg tagctagtca cagtttacga 11640
tctggcaata gcgtttacac agtcatcacc atagaaatgc cgagtcagga tctagtttac 11700
tgcagaactc tatcaggagg actggaagat ggggacgtg tccacatgca ggaatgcag 11760
ttggtgaaat ggaagctaaa tgctcatttt cctcagtggg aagctgtggc ttgaagatga 11820
ctgtaaaact tctttccgcc tcttcaatct tgacaggccc cagggtgctc aagctaatat 11880
ggcagaaggg aactgtgcc agttgcaggc ccaggcctta agagactggc agcttcccct 11940
ctctgtctct ggaaacctac ctgcccttct gtaagggaag ccaagcagct ctggagaagc 12000
ccttatggag gggccactc tcagccaca gccagcaca gttgggcagc cacgcagacc 12060
cccaacctgc aagccaggcc cgctgaggcc tcagtacaca caggcagtc catcagccct 12120
gccagatgg cagttttgtg atcaaaatat agacgataga tgattgttt ttaaggttgt 12180
tgggggtagt ttgtcacaca acgatagata atagaacatc agtaggctgt gtgtgtgtgt 12240
gtgtgtgtgt agcatatata tatcacata tacatatata cacatatata tatacacata 12300
cacatatata cagtatata tatatacaca tacatatata cacatatata cacatatata 12360
tatacacata cacatatata cacatacaca catacacata tacatatata cacatatata 12420
catatatata catatatata tatatacaca tagcttcaaa ttcagacatg aagaagtatc 12480
ttatttagca acagtggtaa atagtaaaac accaagagag aggaaagtgg ttgcctcaga 12540
gatgggaaaa tgcaaggagg gagacggaac tgctgtttgt ttaacaaac cttgtagatc 12600
tgtttgatac tttaaactac attcacatat aacttggaca aaagtaaaa ctgaagttga 12660
aaaaaatgta ttcattgctaa tagcacagga atgatccaca attggattcc aaggcttctt 12720
gtacattcag catagggtgt atgaaagagt ccactattct agcaacagat aaaattccta 12780
ctgacacgca acctcaggtt ccactcgtt tagaaggctg cgtatggtct tctacttaa 12840
gcctcaagta gcagtcatgg cagtgaacaa toctcattgc ctccatagaa cctctaggct 12900
catgtgtgag cccaggctgg gctggggccc ctgggagccc aggggtgagg gccagtcctt 12960
gggcagctcc gtgagccagg agcagctgtg ccacctgggg aagggtgca cggtcgatgg 13020
gtcttttctg cagaagagtg tgccccagcc cttgctgggc acagatcaa gaggtgttca 13080
tggggtcgaaa tcacagattt caagggtgta taggagtcag agtggggggg ctgggagggc 13140
tgaggcaggt taaagatttg agaggggctg ctgtgtccac agctgcatca cactgctctg 13200
ctgtccctc catgttcccc ggcactgccg cctaccctgg ggtcttctgg aagtaactga 13260
aggcccccct aacctggctc atcatcaaag cagactgttg actagctgca ggcaaatatg 13320
aagaggctat 13330

```

```

<210> 8
<211> 3100
<212> DNA
<213> Mus musculus

```

```

<220>
<221> CDS
<222> (125) .. (2734)

```


<400> 8
 cggcgccgcc ggccctcccgg gagcgacgct cgtgacaact gagctgctga aggcaggagg 60
 aactctgagc tgaatagtag tgggtccctg aatctggaga gaagacgcca ccttggaaacc 120
 agta atg aac cat cct gac tac aag ctg aac ctt cgg tct ccg ggg acc 169
 Met Asn His Pro Asp Tyr Lys Leu Asn Leu Arg Ser Pro Gly Thr
 1 5 10 15
 ccc aga ggt gtg tcc tct gtg gtt ggc ccg agt gct gtt ggt gct tcg 217
 Pro Arg Gly Val Ser Ser Val Val Gly Pro Ser Ala Val Gly Ala Ser
 20 25 30
 cca ggt gac aaa aag tca aag aac aag tcc atg cga ggg aag aaa aag 265
 Pro Gly Asp Lys Lys Ser Lys Asn Lys Ser Met Arg Gly Lys Lys Lys
 35 40 45
 agc ata ttt gaa acc tac atg tcc aag gag gat gtt tca gaa ggc ttg 313
 Ser Ile Phe Glu Thr Tyr Met Ser Lys Glu Asp Val Ser Glu Gly Leu
 50 55 60
 aag aga gga aca ctt atc cag ggt gta ttg aga atc aac cca aag aag 361
 Lys Arg Gly Thr Leu Ile Gln Gly Val Leu Arg Ile Asn Pro Lys Lys
 65 70 75
 ttt cat gaa gcc ttc att cct tct ccg gat ggt gat cgg gac att ttt 409
 Phe His Glu Ala Phe Ile Pro Ser Pro Asp Gly Asp Arg Asp Ile Phe
 80 85 90 95
 att gat gga gtt gtt gct cgt aat aga gcc tta aat ggg gac ctt gtg 457
 Ile Asp Gly Val Val Ala Arg Asn Arg Ala Leu Asn Gly Asp Leu Val
 100 105 110
 gtt gta aaa ctg ctt cct gag gat cag tgg aag gca gtt aaa cca gag 505
 Val Val Lys Leu Leu Pro Glu Asp Gln Trp Lys Ala Val Lys Pro Glu
 115 120 125
 agc aat gac aaa gaa ata gaa gct act tat gaa gct gac atc cct gaa 553
 Ser Asn Asp Lys Glu Ile Glu Ala Thr Tyr Glu Ala Asp Ile Pro Glu
 130 135 140
 gag ggc tgt gga cat cac ccc ctg cag cag tcc cgg aaa ggc tgg agt 601
 Glu Gly Cys Gly His His Pro Leu Gln Gln Ser Arg Lys Gly Trp Ser
 145 150 155
 ggt cct gat gtc att ata gag gct cag ttt gat gac agc gac tca gaa 649
 Gly Pro Asp Val Ile Ile Glu Ala Gln Phe Asp Asp Ser Asp Ser Glu
 160 165 170 175
 gat aga cat ggc aac acc agt ggc ctg gtt gat ggt gtt aag aaa ttg 697
 Asp Arg His Gly Asn Thr Ser Gly Leu Val Asp Gly Val Lys Lys Leu
 180 185 190
 tca atc tct act cct gac aga gga aaa gaa gat tct agt act cca gtt 745
 Ser Ile Ser Thr Pro Asp Arg Gly Lys Glu Asp Ser Ser Thr Pro Val
 195 200 205
 atg aaa gat gag aac acc ccc ata cca cag gac aca aga ggc tta tca 793
 Met Lys Asp Glu Asn Thr Pro Ile Pro Gln Asp Thr Arg Gly Leu Ser
 210 215 220
 gag aag tca ctt cag aaa tca gca aag gtg gtt tac atc ttg gag aaa 841

gagcgtgctgctga aggcaggagg 60
 aactctgagc tgaatagtag tgggtccctg aatctggaga gaagacgcca ccttggaaacc 120
 agta atg aac cat cct gac tac aag ctg aac ctt cgg tct ccg ggg acc 169
 Met Asn His Pro Asp Tyr Lys Leu Asn Leu Arg Ser Pro Gly Thr
 1 5 10 15
 ccc aga ggt gtg tcc tct gtg gtt ggc ccg agt gct gtt ggt gct tcg 217
 Pro Arg Gly Val Ser Ser Val Val Gly Pro Ser Ala Val Gly Ala Ser
 20 25 30
 cca ggt gac aaa aag tca aag aac aag tcc atg cga ggg aag aaa aag 265
 Pro Gly Asp Lys Lys Ser Lys Asn Lys Ser Met Arg Gly Lys Lys Lys
 35 40 45
 agc ata ttt gaa acc tac atg tcc aag gag gat gtt tca gaa ggc ttg 313
 Ser Ile Phe Glu Thr Tyr Met Ser Lys Glu Asp Val Ser Glu Gly Leu
 50 55 60
 aag aga gga aca ctt atc cag ggt gta ttg aga atc aac cca aag aag 361
 Lys Arg Gly Thr Leu Ile Gln Gly Val Leu Arg Ile Asn Pro Lys Lys
 65 70 75
 ttt cat gaa gcc ttc att cct tct ccg gat ggt gat cgg gac att ttt 409
 Phe His Glu Ala Phe Ile Pro Ser Pro Asp Gly Asp Arg Asp Ile Phe
 80 85 90 95
 att gat gga gtt gtt gct cgt aat aga gcc tta aat ggg gac ctt gtg 457
 Ile Asp Gly Val Val Ala Arg Asn Arg Ala Leu Asn Gly Asp Leu Val
 100 105 110
 gtt gta aaa ctg ctt cct gag gat cag tgg aag gca gtt aaa cca gag 505
 Val Val Lys Leu Leu Pro Glu Asp Gln Trp Lys Ala Val Lys Pro Glu
 115 120 125
 agc aat gac aaa gaa ata gaa gct act tat gaa gct gac atc cct gaa 553
 Ser Asn Asp Lys Glu Ile Glu Ala Thr Tyr Glu Ala Asp Ile Pro Glu
 130 135 140
 gag ggc tgt gga cat cac ccc ctg cag cag tcc cgg aaa ggc tgg agt 601
 Glu Gly Cys Gly His His Pro Leu Gln Gln Ser Arg Lys Gly Trp Ser
 145 150 155
 ggt cct gat gtc att ata gag gct cag ttt gat gac agc gac tca gaa 649
 Gly Pro Asp Val Ile Ile Glu Ala Gln Phe Asp Asp Ser Asp Ser Glu
 160 165 170 175
 gat aga cat ggc aac acc agt ggc ctg gtt gat ggt gtt aag aaa ttg 697
 Asp Arg His Gly Asn Thr Ser Gly Leu Val Asp Gly Val Lys Lys Leu
 180 185 190
 tca atc tct act cct gac aga gga aaa gaa gat tct agt act cca gtt 745
 Ser Ile Ser Thr Pro Asp Arg Gly Lys Glu Asp Ser Ser Thr Pro Val
 195 200 205
 atg aaa gat gag aac acc ccc ata cca cag gac aca aga ggc tta tca 793
 Met Lys Asp Glu Asn Thr Pro Ile Pro Gln Asp Thr Arg Gly Leu Ser
 210 215 220
 gag aag tca ctt cag aaa tca gca aag gtg gtt tac atc ttg gag aaa 841

Glu Lys 225	Ser	Leu	Gln	Lys	Ser 230	Ala	Lys	Val	Val	Tyr 235	Ile	Leu	Glu	Lys		
aag Lys 240	cat His	tct Ser	cga Arg	gca Ala	gca Ala 245	act Thr	ggc Gly	atc Ile	ctg Leu	aaa Lys 250	ctc Leu	ttg Leu	gct Ala	gat Asp 255	889	
aac Asn	agt Ser	gac Asp	ctg Leu	ttt Phe 260	aag Lys	aaa Lys	tac Tyr	gcc Ala	ctg Leu 265	ttt Phe	tct Ser	cct Pro	tca Ser	gac Asp 270	937	
cga Arg	gta Val	cct Pro	aga Arg 275	att Ile	tac Tyr	gta Val	cct Pro	ctc Leu 280	aag Lys	gac Asp	tgt Cys	ccc Pro	cag Gln 285	gac Asp	ttc Phe	985
atg Met	acc Thr	cga Arg 290	cct Pro	aaa Lys	gac Asp	ttt Phe	gcc Ala 295	aac Asn	acg Thr	ctg Leu	ttc Phe	atc Ile 300	tgc Cys	cgc Arg	atc Ile	1033
ata Ile	gac Asp 305	tgg Trp	aag Lys	gag Glu	gac Asp	tgt Cys 310	aat Asn	ttt Phe	gcc Ala	ctg Leu	ggg Gly 315	caa Gln	ctg Leu	gct Ala	aag Lys	1081
agt Ser 320	ctt Leu	ggg Gly	cag Gln	gct Ala	ggt Gly 325	gaa Glu	atc Ile	gag Glu	cct Pro	gaa Glu 330	aca Thr	gaa Glu	ggg Gly	ata Ile	ctg Leu 335	1129
aca Thr	gaa Glu	tat Tyr	ggt Gly	gtg Val 340	gac Asp	ttc Phe	tct Ser	gat Asp	ttc Phe 345	tct Ser	tca Ser	gaa Glu	gtt Val	ctt Leu 350	gaa Glu	1177
tgt Cys	ctc Leu	cct Pro	caa Gln 355	agc Ser	ctg Leu	ccc Pro	tgg Trp	aca Thr 360	atc Ile	cca Pro	cct Pro	gat Asp	gag Glu 365	gtg Val	ggc Gly	1225
aag Lys	aga Arg 370	aga Arg	gac Asp	cta Leu	agg Arg	aaa Lys	gac Asp 375	tgt Cys	atc Ile	ttc Phe	acc Thr 380	att Ile	gat Asp	cca Pro	tca Ser	1273
act Thr 385	gct Ala	cgc Arg	gac Asp	ctt Leu	gat Asp	gat Asp 390	gcc Ala	ctc Leu	gcc Ala	tgc Cys	agg Arg 395	cgg Arg	ctc Leu	act Thr	gat Asp	1321
ggc Gly 400	acc Thr	ttc Phe	gaa Glu	gtg Val 405	ggc Gly	gtc Val	cac His	atc Ile	gcc Ala	gat Asp 410	gtg Val	agt Ser	tac Tyr	ttt Phe	gtt Val 415	1369
cct Pro	gag Glu	gga Gly	tcc Ser	tct Ser 420	ttg Leu	gat Asp	aaa Lys	gta Val	gct Ala 425	gct Ala	gag Glu	aga Arg	gcc Ala	aca Thr 430	agt Ser	1417
gtc Val	tac Tyr	ttg Leu	gtc Val 435	cag Gln	aag Lys	gtg Val	gtc Val	ccc Pro 440	atg Met	ctt Leu	ccc Pro	agg Arg	ctt Leu 445	ctg Leu	tgt Cys	1465
gag Glu	gaa Glu	ctc Leu	tgc Cys	agc Ser	ctc Leu	aac Asn	ccc Pro 455	atg Met	act Thr	gac Asp	aag Lys	ctg Leu	acc Thr	ttc Phe	tct Ser	1513
gtg Val	atc Ile 465	tgg Trp	aag Lys	ctg Leu	acc Thr	cct Pro 470	gaa Glu	ggc Gly	aag Lys	atc Ile	ctt Leu 475	gaa Glu	gag Glu	tgg Trp	ttt Phe	1561

ggc Gly 480	cgc Arg	act Thr	atc Ile	atc Ile	cgt Arg 485	tct Ser	tgc Cys	acc Thr	aaa Lys	ctg Leu 490	agc Ser	tac Tyr	gac Asp	cat His	gcc Ala 495	1609
cag Gln	agc Ser	atg Met	atc Ile	gaa Glu 500	aat Asn	cca Pro	act Thr	gag Glu	aag Lys 505	atc Ile	cct Pro	gag Glu	gaa Glu	gag Glu	ctt Leu 510	1657
ccc Pro	cca Pro	att Ile	tct Ser	cca Pro	gag Glu	cac His	agc Ser	gtc Val	gag Glu	gag Glu	gtg Val	cac His	cag Gln	gca Ala	gtc Val	1705
ctg Leu	aac Asn	ctg Leu	cac His	agc Ser	att Ile	gca Ala	aag Lys 535	caa Gln	ctc Leu	cgc Arg	cgc Arg	cag Gln	cgc Arg	ttt Phe	gta Val	1753
gat Asp	ggc Gly 545	gca Ala	ctc Leu	cgt Arg	tta Leu	gat Asp 550	cag Gln	ctg Leu	aag Lys	ctt Leu	gct Ala	ttt Phe	act Thr	ctg Leu	gac Asp	1801
cat His 560	gag Glu	act Thr	gga Gly	ctg Leu	cct Pro	caa Gln	gga Gly	tgt Cys	cac His	atc Ile	tat Tyr	gag Glu	tac Tyr	cga Arg	gac Asp 575	1849
agc Ser	aac Asn	aag Lys	ctt Leu	gta Val 580	gag Glu	gag Glu	ttc Phe	atg Met	ctc Leu	ctg Leu	gcc Ala	aac Asn	atg Met	gcg Ala	gtg Val 590	1897
gcc Ala	cac His	aag Lys	atc Ile	ttc Phe	cgc Arg	acc Thr	ttc Phe	cct Pro	gag Glu	cag Gln	gcc Ala	ctg Leu	ctg Leu	cgc Arg	cgg Arg	1945
cat His	ccc Pro	cca Pro	cca Pro	cag Gln	acg Thr	aag Lys	atg Met	ctc Leu	agt Ser	gac Asp	ctg Leu	gtg Val	gag Glu	ttc Phe	tgt Cys	1993
gac Asp	cag Gln	atg Met	ggg Gly	ctg Leu	ccc Pro	atg Met	gat Asp	gtc Val	agc Ser	tct Ser	gca Ala	ggg Gly	gcc Ala	cta Leu	aat Asn	2041
aaa Lys 640	agc Ser	ctg Leu	act Thr	aag Lys	aca Thr	ttt Phe	gga Gly	gat Asp	gac Asp	aag Lys	tac Tyr	tct Ser	ctg Leu	gcc Ala	cgg Arg 655	2089
aag Lys	gag Glu	gtg Val	ctc Leu	acc Thr	aac Asn	atg Met	tac Tyr	tcc Ser	cgg Arg	ccc Pro	atg Met	cag Gln	atg Met	gca Ala	ctg Leu 670	2137
tac Tyr	ttc Phe	tgc Cys	tct Ser	ggg Gly	atg Met	ctg Leu	cag Gln	gac Asp	cag Gln	gag Glu	cag Gln	ttc Phe	cgg Arg	cat His	tat Tyr	2185
gct Ala	ctc Leu	aac Asn	gtt Val	ccc Pro	ctc Leu	tac Tyr	aca Thr	cac His	ttc Phe	acc Thr	tct Ser	ccc Pro	atc Ile	cgc Arg	cgc Arg	2233
ttt Phe	gct Ala	gac Asp	gtc Val	ata Ile	gtg Val	cac His	cgc Arg	ctc Leu	ctg Leu	gct Ala	gct Ala	gct Ala	ctg Leu	ggc Gly	tac Tyr	2281
agt Ser 720	gaa Glu	cag Gln	cca Pro	gat Asp	gtg Val	gag Glu	cct Pro	gat Asp	acc Thr	cta Leu	cag Gln	aag Lys	caa Gln	gct Ala	gac Asp 735	2329

Gly Asp Lys Lys Ser Lys Asn Lys Ser Met Arg Gly Lys Lys Lys Ser

35					40					45						
Ile	Phe	Glu	Thr	Tyr	Met	Ser	Lys	Glu	Asp	Val	Ser	Glu	Gly	Leu	Lys	
50					55					60						
Arg	Gly	Thr	Leu	Ile	Gln	Gly	Val	Leu	Arg	Ile	Asn	Pro	Lys	Lys	Phe	
65					70					75					80	
His	Glu	Ala	Phe	Ile	Pro	Ser	Pro	Asp	Gly	Asp	Arg	Asp	Ile	Phe	Ile	
85					90					95						
Asp	Gly	Val	Val	Ala	Arg	Asn	Arg	Ala	Leu	Asn	Gly	Asp	Leu	Val	Val	
100					105					110						
Val	Lys	Leu	Leu	Pro	Glu	Asp	Gln	Trp	Lys	Ala	Val	Lys	Pro	Glu	Ser	
115					120					125						
Asn	Asp	Lys	Glu	Ile	Glu	Ala	Thr	Tyr	Glu	Ala	Asp	Ile	Pro	Glu	Glu	
130					135					140						
Gly	Cys	Gly	His	His	Pro	Leu	Gln	Gln	Ser	Arg	Lys	Gly	Trp	Ser	Gly	
145					150					155					160	
Pro	Asp	Val	Ile	Ile	Glu	Ala	Gln	Phe	Asp	Asp	Ser	Asp	Ser	Glu	Asp	
165					170					175						
Arg	His	Gly	Asn	Thr	Ser	Gly	Leu	Val	Asp	Gly	Val	Lys	Lys	Leu	Ser	
180					185					190						
Ile	Ser	Thr	Pro	Asp	Arg	Gly	Lys	Glu	Asp	Ser	Ser	Thr	Pro	Val	Met	
195					200					205						
Lys	Asp	Glu	Asn	Thr	Pro	Ile	Pro	Gln	Asp	Thr	Arg	Gly	Leu	Ser	Glu	
210					215					220						
Lys	Ser	Leu	Gln	Lys	Ser	Ala	Lys	Val	Val	Tyr	Ile	Leu	Glu	Lys	Lys	
225					230					235					240	
His	Ser	Arg	Ala	Ala	Thr	Gly	Ile	Leu	Lys	Leu	Leu	Ala	Asp	Lys	Asn	
245					250					255						
Ser	Asp	Leu	Phe	Lys	Lys	Tyr	Ala	Leu	Phe	Ser	Pro	Ser	Asp	His	Arg	
260					265					270						
Val	Pro	Arg	Ile	Tyr	Val	Pro	Leu	Lys	Asp	Cys	Pro	Gln	Asp	Phe	Met	
275					280					285						
Thr	Arg	Pro	Lys	Asp	Phe	Ala	Asn	Thr	Leu	Phe	Ile	Cys	Arg	Ile	Ile	
290					295					300						
Asp	Trp	Lys	Glu	Asp	Cys	Asn	Phe	Ala	Leu	Gly	Gln	Leu	Ala	Lys	Ser	
305					310					315					320	
Leu	Gly	Gln	Ala	Gly	Glu	Ile	Glu	Pro	Glu	Thr	Glu	Gly	Ile	Leu	Thr	
325					330					335						
Glu	Tyr	Gly	Val	Asp	Phe	Ser	Asp	Phe	Ser	Ser	Glu	Val	Leu	Glu	Cys	
340					345					350						
Leu	Pro	Gln	Ser	Leu	Pro	Trp	Thr	Ile	Pro	Pro	Asp	Glu	Val	Gly	Lys	
355					360					365						
Arg	Arg	Asp	Leu	Arg	Lys	Asp	Cys	Ile	Phe	Thr	Ile	Asp	Pro	Ser	Thr	

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

370	375	380
Ala Arg Asp Leu Asp Asp	Ala Leu Ala Cys Arg	Arg Arg Leu Thr Asp Gly
385	390	395 400
Thr Phe Glu Val Gly	Val His Ile Ala Asp	Val Ser Tyr Phe Val Pro
405	410	415
Glu Gly Ser Ser Leu Asp Lys	Val Ala Ala Glu Arg Ala	Thr Ser Val
420	425	430
Tyr Leu Val Gln Lys Val Val	Pro Met Leu Pro Arg	Leu Leu Cys Glu
435	440	445
Glu Leu Cys Ser Leu Asn Pro	Met Thr Asp Lys	Leu Thr Phe Ser Val
450	455	460
Ile Trp Lys Leu Thr Pro	Glu Gly Lys Ile Leu	Glu Glu Trp Phe Gly
465	470	475 480
Arg Thr Ile Ile Arg Ser	Cys Thr Lys Leu Ser	Tyr Asp His Ala Gln
485	490	495
Ser Met Ile Glu Asn Pro	Thr Glu Lys Ile Pro	Glu Glu Glu Leu Pro
500	505	510
Pro Ile Ser Pro Glu His	Ser Val Glu Glu Val	His Gln Ala Val Leu
515	520	525
Asn Leu His Ser Ile Ala	Lys Gln Leu Arg Arg	Gln Arg Phe Val Asp
530	535	540
Gly Ala Leu Arg Leu Asp	Gln Leu Lys Leu Ala	Phe Thr Leu Asp His
545	550	555 560
Glu Thr Gly Leu Pro	Gln Gly Cys His Ile	Tyr Glu Tyr Arg Asp Ser
565	570	575
Asn Lys Leu Val Glu Glu	Phe Met Leu Leu Ala	Asn Met Ala Val Ala
580	585	590
His Lys Ile Phe Arg Thr	Phe Pro Glu Gln Ala	Leu Leu Arg Arg His
595	600	605
Pro Pro Pro Gln Thr	Lys Met Leu Ser Asp	Leu Val Glu Phe Cys Asp
610	615	620
Gln Met Gly Leu Pro	Met Asp Val Ser Ser	Ala Gly Ala Leu Asn Lys
625	630	635 640
Ser Leu Thr Lys Thr	Phe Gly Asp Asp Lys	Tyr Ser Leu Ala Arg Lys
645	650	655
Glu Val Leu Thr Asn	Met Tyr Ser Arg Pro	Met Gln Met Ala Leu Tyr
660	665	670
Phe Cys Ser Gly Met	Leu Gln Asp Gln Glu	Gln Phe Arg His Tyr Ala
675	680	685
Leu Asn Val Pro Leu	Tyr Thr His Phe Thr	Ser Pro Ile Arg Arg Phe
690	695	700
Ala Asp Val Ile Val	His Arg Leu Leu Ala	Ala Ala Leu Gly Tyr Ser

705 710 715 720

Glu Gln Pro Asp Val Glu Pro Asp Thr Leu Gln Lys Gln Ala Asp His
725 730 735

Cys Asn Asp Arg Arg Met Ala Ser Lys Arg Val Gln Glu Leu Ser Ile
740 745 750

Gly Leu Phe Phe Ala Val Leu Val Lys Glu Ser Gly Pro Leu Glu Ser
755 760 765

Glu Ala Met Val Met Gly Val Leu Asn Gln Ala Phe Asp Val Leu Val
770 775 780

Leu Arg Phe Gly Val Gln Lys Arg Ile Tyr Cys Asn Ala Leu Ala Leu
785 790 795 800

Arg Ser Tyr Ser Phe Gln Lys Val Gly Lys Lys Pro Glu Leu Thr Leu
805 810 815

Val Trp Glu Pro Asp Asp Leu Glu Glu Glu Pro Thr Gln Gln Val Ile
820 825 830

Thr Ile Phe Ser Leu Val Asp Val Val Leu Gln Ala Glu Ala Thr Ala
835 840 845

Leu Lys Tyr Ser Ala Ile Leu Lys Arg Pro Gly Leu Glu Lys Ala Ser
850 855 860

Asp Glu Glu Pro Glu Asp
865 870

<210> 10

<211> 49999

<212> DNA

<213> Mus musculus

<400> 10

```

gactcctgact tcactatcca tagatagtta ggtttctagt actaggcatg ctttctctct 60
agttgatggc cttggtgctc agttagagag ctcttggtta ccatcaagct atacatgcc 120
ttactgcacc tttagtgtta atcttgccat gatgttcatt gttgttggtt atacgcatca 180
taactccctc tcctgcaggc tcaactgacag taagatagaa attcctctgc tgctctgtgc 240
agtaggcagc ctacacatct acatgctgta taccatata gctaagtagg acttttggtt 300
gcttctcttc cttggaaact tgcataatgc cctctggtat aatgaaagct agttccagag 360
aggaggtttt ccagtcagat ccagctcagg tcctcttagt cctatctgaa gtatatagt 420
tcttcagctt gctgtagtgt atgtatagaa gccatagcaa aattttcacg ggtagatcct 480
ccccttccac ctttttgaag cagggtctct ctttttggtt ctgtcatact gtgcacccca 540
ggccagctga cccatgagct tctgggcagt tcttttatcg catattccat aggagtgtg 600
gagttataga tgtgtttacc acattcaacc ttttggtgtg gttctgagtg aggcagttgg 660
ctgtcccagg gacacaaact gtgatctgga atgtttctga tatggtataa tagaattata 720
ttatgcttag ccagattaac tatttgcccc cattttttta ataactattc ctgagtcctg 780
tccctgtctc agataccacg taacattctt tggcatactc tgtttacctg aatgagagag 840
ggtgcagaaa agtatctgta gctgacctt gaaggacctg atccatccc cattgacagg 900
gaggccacag atcaaacctc cctgctgcct gatggtacct gttctctctt ggggcaagga 960
gaagtttgag tcaagtcaca aagagggaaga gaatgggtgat cacatctctg actctcctag 1020
cctcacattt ctctctcctt atgtgcaaaa caactgttct ttaacattct gtgacagtgg 1080
attatttgtg ataattctgt tttccatctt tcctaggaaa gactgtatct tcaccattga 1140
tccatcaact gctcgcgacc ttgatgatgc cctcgcctgc aggcggctca ctgatggtag 1200
gatagacatt cctctgctac tctgtgccgt agcaacctgc acaccctgtg gctgtacacc 1260
catgtcaggc ttccttgtgc tgtttcagca gcctaattggg caaggacggg gttgcttcag 1320
tcccgaaatt ggctatacaa gctaagtaga gtgggggtggc agcagacact acctcctaag 1380
acatggttgt ctaggcctga cttgcagaag cccctctata ccatgtagct ctttgtctat 1440

```


taaaagagact	gtgagggtctg	gagaggttggc	tcagtggtta	agagcactga	ctgctcttcc	1500
agaggtcctg	agttcaactc	ccagcagcca	catgggtggct	cacaaccatc	tgtaatggga	1560
tccaatgcct	tcttctactg	tgtctgaaga	cagcgacagt	gtactcacat	acataaaata	1620
attctttaaaa	aaaaaagatt	gtgaatggcc	aactgacttt	tcaaaaagtc	aggggtctcag	1680
tcattggtga	ttgtagtaga	cagaatagta	gcagctgatt	gtcgaaagac	ttgggagacag	1740
tgtgaggaaa	aaacccctaa	cagttctctc	catccctgca	gatacatttt	ctagggtatgt	1800
ctgacccttt	tcttaggggt	gccttggtga	ctactatgac	atttattatt	cttgaagatt	1860
actttagact	aacatggcct	ttgatgggtg	accagtggag	tatcgataac	cttttatggt	1920
tgtctgccac	agagcattga	tggcctacct	tcaagtagtt	caccctcat	cttctctctgg	1980
tgcaaacctc	agtgtttcct	tctctgttgc	aataaatagt	gatgattatc	agacagaagc	2040
taagagacag	aacatgctgc	ctaaaactgc	ttagcttctt	ttagtaggag	ctctctccac	2100
ccaccccaca	aataatcctg	tgcataagac	tcattgcgtgc	taggcaacac	tctgttactg	2160
agctgtatct	tcagcacagt	actctcagtt	gtgtttctat	aatctaaaat	taggacagcc	2220
tatttacaag	agcaaacttt	ggcccaacgc	cttacattct	gattacgctc	tgctgtgcac	2280
ctcttgcttg	aacaagcctc	ctctctctgc	agatcctact	ctctaaaaca	ccaatatgaa	2340
cagtacccaa	ggcagagacc	tggtgatgct	gggccttcat	ctcctggggg	tattgtcctt	2400
ctctgttagt	ggttgaaaac	agctgttccg	tttattctct	ctagttttaa	gtgtgttata	2460
gcagaagtct	aatatctggt	tctctatctc	tgatagcctc	aaactcttga	acttgcaggg	2520
agagcaggga	ctagcatat	gtccttctct	actcactctg	cagggccact	tcacacttct	2580
gctatgcaag	tgtgagggca	aagggttcat	ggagaaaatg	ctgcaagaaa	agcagatgag	2640
cagcaagtaa	tgttctttat	ttgtcagacc	atacaaaatc	acatagacat	tgttctgcag	2700
gaattcagcc	acagcaggga	gaaataagtt	atcaaaagac	taaaggaaaa	ggagaagagg	2760
taggccagga	aaatgcaga	aaaagtcaca	cgtataggca	tacagacctg	gactggagat	2820
tataagcaag	atccgtgagg	agtgaggtaa	cagagacgag	aaagagaaga	atctgtggaa	2880
acaggtggca	gaagggacaa	agaagagaca	gaggtgggtc	atcctgggat	gtggggaaat	2940
atccacaggt	agaaattgga	aagtcaggag	gacatgtctg	tggttttgat	caggctacca	3000
catggagttg	ctgtctcat	aataagcatt	tatatgaatt	actgtctaacc	tattttttaa	3060
ggacaagaga	ataaataaag	agtagatggt	gtcataaagc	tatagcagga	gagcctgag	3120
gggagacaag	cagcgtacct	agtacagaga	ttgaacctaa	cctcctagga	agatgggatc	3180
ataggccatt	ttctctctg	tccaaatttt	ataatgtggt	aatagtagct	ttataatgaa	3240
aaagctttgt	agtaaaaaat	tatgaggtga	caggaatccc	aagctgcccc	gaagtcaccc	3300
atcgcaccaa	gtgatcagag	ccttccttct	atgtgcttgg	tatttcttgc	attccagaga	3360
gacagttgac	atctgtgcat	ctggcggggc	aacagcataa	ggaagaaacc	agcgaagtct	3420
tgggaaaaagc	cgaggtagtc	agtcaagcat	ttttatgggt	gcacttccac	agttggccat	3480
tgggacagct	ggatctgcca	ggatcattta	tccagggaga	tgaaaagcaa	ataggcaagt	3540
ccagtttggga	ttgggtaggc	cttggctaa	ttcagattcc	attagttacc	agttcatgtc	3600
agttcctact	tagaggaaaa	tatttactgt	tttaaaaagc	aaataatgtt	ttctggccat	3660
atztatataa	tctgtgttta	tttaaaataa	atactgtata	aaaggtatgt	ttttctttgg	3720
tctcacagaa	atcatctgaa	tggctattgt	gtgaaaaatc	aactctacag	acagatagag	3780
ctttccaatg	ctcacacttc	cttccataga	gttccagggg	acaccaggt	ctttcctatc	3840
aggtgcaaga	tacagacaat	caattgtgta	acatgttaaa	tttaaccgaa	aggaggagga	3900
ggtgtatccc	cacctccctt	ccaaagcaga	gcttctacca	tgcattctgat	ctgggattcg	3960
ctccttttagc	cccaaacaca	cctaaggaga	aggagcactc	ccagcaaatg	tggattcttc	4020
actttgcata	agaaaattat	taataaaaag	tggtattgta	atgatatccc	agaatctaaa	4080
gacagtaaaa	cccaatttcag	tattttatga	ttgtaacaga	ttgcttgcag	cacacctcac	4140
agttgacctc	acatttagtct	gggaatacca	cagttgtaag	ctcaccctct	ggtttcttaa	4200
taactcttgc	agcattcact	ttattgaata	tccagattgc	atttgaactt	gttactccaa	4260
aggcagctctg	ttctgccata	agattgtgtg	actcttagga	aatcctcccc	tgaaagaatc	4320
agaaatactg	ttgttatctt	tctgcaatgt	ttcatttggt	agtcctgtta	atgctcctca	4380
gtgccctgaa	gcacaaatac	agtgtctcgt	gtgaaaaatc	ttccaaacaa	gatctatcat	4440
ttctctttctg	aatcacatct	cagctaagga	acctaataat	cctttcatgt	tttgtggctg	4500
atttctttagt	gtgaatccac	tcaccacgtc	atagagctct	ctgcctctg	agaggctcac	4560
ggtgtatgac	tcctctgcctg	gcaagctctc	ctagaaaagt	catctttact	gaaagaattg	4620
ggatctggat	aatatgtacc	cattttgttc	agttattgct	tttccatggg	tgtcaaagac	4680
catactgtca	gatagatggg	ttcttttagc	aactgtcagg	cagagtcttt	agcttttagt	4740
gattctggaa	ccccacaatt	ctgcatcttg	ttttgtaatt	tgaattttct	aagggttgct	4800
ctgtcattga	acatggctgg	gctgtccttg	ccaggcctta	gaagtgaatg	agcaggagat	4860
gggaacagct	gctaataaac	ttgggccttt	tt			

ctccatttta	tattattttg	gactattgag	aagggtgttg	tttcccta	ttctttctca	5280
gctctgttat	cctttgtgtg	gagaaaggtc	attgacttgt	ttgagttaat	tttatatcca	5340
gctacttcac	tgaagctggt	tatcaggcct	aggagtctct	tggtggaatt	tttaggggtca	5400
cttatatata	tactatcata	tcactctgca	aaagtgatat	tttgacttct	tcctttccaa	5460
tttgtatccc	cttgatctcc	ttttgttgtc	taattgctct	ggctaggact	tcaagtacaa	5520
tgttgaatag	gtagggagat	agtggacagc	cttgtctagt	ccctgatttt	agtgggatta	5580
cttccagctt	ctcaccattt	actttgatat	tggctactgg	tttgtgttag	attgctttta	5640
tcatgtttag	gtatggctct	tgaattcctg	atctttccaa	gacttttatc	atgaattgggt	5700
gttggaattg	gtcaaatgct	ttctcagcat	ctaacgagat	gactcatgtg	tttttgtctt	5760
tgagtgttgt	tatatactgg	attacattga	tggatttccg	tatatngaac	catccctgca	5820
tccttgggat	gaaacctact	tggtcaggat	ggatgattga	tttgatgtgt	tcttggattc	5880
agttagcgag	aactttattg	aggatttttg	catcgatatt	cataagggaa	attgggtctga	5940
agttctctat	ctttgttggg	tctttttgtg	gtttagggtat	cagagtaatt	gtggcttcat	6000
agaatgagtt	gggtagagta	ccttctgttt	ctattttgtg	gaataatata	aaataccttg	6060
gcgtgactct	aactaaggaa	gtgaaagatc	tgtatgataa	gaacttcaag	tctctgaaga	6120
aagaaattaa	agaagatctc	agaagataga	aagatctccc	atgctcatgg	attggcagga	6180
tcaatatagt	aaaaatggct	atcttgccaa	aagcaattca	catagttta	gcaatcccca	6240
tcaaaattcc	aactcaattc	ttcaacgaat	tagaaagggc	aatcggcaga	ttcatctgga	6300
atacaaaaa	acctaggata	gcaaaaaact	ttctcaagga	taaaagaacc	tctgggtgga	6360
tcaccatgcc	tgacctaaag	ctgtactaca	gagcaattgt	aataaaaaact	gcaatgggtac	6420
tggtatagcg	aaagacaagt	agaccaatgg	aacagaattg	aagaccaga	gatgaacctta	6480
cacacctatg	gtcacttgat	ctttgacaag	ggagctaaaa	ccatccagtg	gaaaaaagac	6540
agcattttca	acaaatgggtg	ctggcacaa	tggctgttat	catgtagaag	aattcaaat	6600
gatccattcc	tatctccttg	tactaaggtc	aaatctaagt	ggattaagga	acaccacata	6660
aaaccagaga	cactgaaact	tatagaggag	aaagttaggga	aaagccttga	aggtatgggt	6720
acaggggaaa	aattcctgaa	tagaacagca	gtggtgtgtg	ctgtaagatc	gagaatcaaa	6780
aaatgggacc	tcataaagtt	gcaaagcttc	tgcaaggcaa	aagacaccgt	gagtaagaca	6840
aaaagaccac	caacagattg	ggaaaggatc	tttacctatc	ctaaatcagg	tagggggacta	6900
atatccaata	tatataaaga	actcaagaag	gtagactcca	gaaaatcaaa	taaccacatt	6960
aaaaaatggg	gctcagagct	gaacaaagat	atctcacctg	aggaataccg	aatggcagag	7020
aagcacctga	aaaaatgttc	aacatcctta	atcatcaggg	aaatgcaa	caaaacaacc	7080
ctgagattcc	acctcacacc	agtcagaatg	gctaagatca	aaaattcagg	tgacagcaga	7140
tgttggcgag	gatgtggaga	aagaggaaca	ctctccatt	gttgggtgga	ttgcaagctt	7200
gtacaaccac	tctggaaatc	agtctggcag	ttctccagaa	aattggacct	agtgtctaccg	7260
gaggatacca	caatactttt	cctgggcata	tatccagaag	atgtcccac	cggtaaagag	7320
aacagatggt	ccactatggt	catagcagcc	ttatttttat	tagccagaag	ttggaaagaa	7380
cccaatgccc	ctcaacagag	gaatggatac	agaaaatgtg	gtacatttac	acaatgggggt	7440
actactcagc	tattaaaaag	aatgaattta	tgaaattcct	aggcaaatgg	atggacctgg	7500
agggcatcat	cctgagtgag	gtaacccaat	cacaaagtaa	ctcacacaat	atgtactcac	7560
tgataagtgg	atattagccc	agaaacttag	tatacccaa	atataagata	caatttgcta	7620
aatgcatgaa	actcaagaag	aacgaagacc	aaagtgtgga	cactgcccct	tcttagaatt	7680
gggaacaaaa	cacccataga	aggagttaca	gagagaaagt	ttggagctgg	gacgaagga	7740
tggaaccatct	agagactgtc	atatctgggg	atccatccca	taatcagctt	ccaaacgctg	7800
acaccattgc	atacactagc	aagattttgc	tgaaaggacc	cagatatagc	tgtctcttgt	7860
gagactatgc	cggggcctag	caaacacaga	agtggatgct	cacagtcagc	tatcagatag	7920
atcatagggc	ccccaatgga	ggagctagag	aaagtaccca	gggagctaaa	gggatctgca	7980
accctatagg	tggaacaaca	ttatgaatta	accagtacct	cggagctctt	gactctagct	8040
gcatatgtat	caaaagatgg	cctagtgggc	catcactgga	aagagaggcc	cattggactt	8100
gcaaaactcta	tttgccccag	tacaggggaa	cgccaggggc	aaaaagtggg	agtgggtggg	8160
tagggggagt	gagggggagg	tatggggggac	ttttgagata	gcattggaaa	tgtaaatgaa	8220
gaaaataacct	aataaaaaat	atatttaaaa	aaaaagaaat	tcttccattg	agaagctctt	8280
gttttaagtat	gtacctcatt	tttaattggg	ttttctggat	tgttgggtgt	tgtcttgagt	8340
tctttatata	ttttgatat	tagccctctg	tcaaatgtag	agttagtga	gatctttccc	8400
caatctgtta	ggctactgtt	ttatccta	gatgatgtcc	tttgacttac	agaagctttt	8460
cagtttcatg	tgggtctcatt	tattaattct	tgaccttagt	gcctgagcca	tttgtgttct	8520
gttcaggaat	ttgtctcctg	tacctatgaa	ttcaaggcta	ttccctgctt	tctcttctat	8580
taaatttagt	gtatctgact	tcaagttgag	gtctttgatc	catctggact	tcagttttgt	8640
gcaggttgat	aaatatgtat	ctatttgcag	tcttctacat	gcagacatcc	agtttagacca	8700
gcagcatctg	ttgaagatgc	tctccctttt				

aatttgtgggg	aggtaggagt	tttgttgggg	gtgtgacacc	catagggggg	atttctctct	9060
aaaagagaa	ggcaagggtg	aaaggggggg	gggatactgg	gaggagagga	aggactaata	9120
tttgggatgt	aaagtgaata	aataaacc	caaaccctgg	aatcatattg	gccacctttt	9180
cttctcagga	ctgttgctgg	gccttttctc	tagccatctc	tctctgacct	ctgcccatta	9240
tctttctctc	gctgtactta	caaccagagc	atgccacttt	tcttagaaaa	tctgtttgtg	9300
cctatggacc	aagcatgcc	cttttcttag	aaaatctgct	tgtgcctatg	gaccaagtcc	9360
tcctaccaa	gcctgcaag	gctagtctct	tgcttacctc	ctccaacacg	cactggtaca	9420
cacacttaca	cacattcaca	catggcacaca	tacatacgca	cataccacca	tacacaagca	9480
agctaaaatt	ctgcagatat	tttttctctc	tggcagaatg	aattatttct	acttgatcac	9540
attagcctgt	ttctaacaac	aataaataca	attacttctg	atttactccc	tttttttct	9600
cgtttccag	ggcagtatct	cttgggcatg	tgtacatctc	aagtattatg	aactttaaaa	9660
ctgttcagtg	ttgctgacct	cactaggcgag	tcttatagta	ttgctcttct	ttttgctgct	9720
gtttttgttt	ttttgttttt	tttttactct	gacttcttca	tttttctgtc	tttatctata	9780
atttcatggt	tgcttgtagg	cttatatctc	gatctataag	gctcctttac	ttttatccta	9840
aactaaatgt	ctctttggaa	tttatatagt	cttccttgt	tccatttcca	ttttttaact	9900
catgtgtcat	gtcttggtga	taccaacagg	cttactgaat	tctgtcttat	agttgttctg	9960
tcctttttct	gcatagtgga	ttttgcacac	cttataccca	gggtcttctt	acatgagtca	10020
ctgaatgcc	taaatgcttt	tctcttctca	tgtctatagc	cttcccgag	actcatagca	10080
tgtcttttat	tttgtcatct	gttctgcct	gtattcttgc	catttccaac	taaggagag	10140
ctaaacttaag	cctactatgg	gcagagaact	taccttctct	ctcacgaatg	tcttgaagct	10200
tgattatata	tcagggtggt	tttgtttttt	gggttttttt	ttttttgata	aataccttat	10260
gtatacctga	aaaacatgtg	ttctcttctc	tgttgagaag	tattgaaaaa	tgacagtaag	10320
acagtattgc	taaatgttct	tgggtctccc	tgctttgtgt	tctcatgccc	tgcattagct	10380
tgtcttcaact	gtggcgagga	agtaccagag	agaaacattt	aaaggaggaa	ggttgcttgc	10440
tcccactctc	agaggcttca	gtccaaggga	aacagtgaga	gtgtacagaa	accttctcac	10500
tcttagctat	caggaaagct	actcttctct	catggctctt	ttatctctct	tatctattta	10560
cagttgctat	agataactca	cctaactgtg	tgtgtttgaa	ttctatgtct	ttgtccattc	10620
ttccttcacc	ctttttttaa	aaaatagggt	ggattttatg	aggaaattgt	gaacagttga	10680
gggttcaaga	gtcattccca	tgtagcaaca	tttctttaca	tttttttct	aatttcacaa	10740
tataaattcc	cttctttgtt	cttctgaata	aaaactatga	ttatttcttt	taattttaat	10800
tttatttact	tattttacgt	gtgggtgttt	tgcctgcatg	tgtgtctgtg	cgccaaatca	10860
gtgtcttgtt	tctgtggaga	cagaaaagg	catcagatcc	cccagaactg	gagttacaga	10920
tggtttggtt	tttttttttg	ttttttgttt	tttgtttttt	ccatttttta	ttagggtattt	10980
agctcattta	catttccaat	gctataccaa	aagtccccca	taccaccca	ccccactcc	11040
cctaccaccc	cactccccct	ttttggccct	ggcggtcccc	tgtactgggg	catataaagt	11100
ttgcaagtc	aatgggcctc	tctttccagt	gatggccaac	taggccactg	tttgatacat	11160
atgcagctag	agacaagagc	tccggggggg	actggttagt	tcatattgtt	gttccacct	11220
taggggttga	gttcccttta	gttccctggg	tgtcttctct	agttctctca	ttgggggtcc	11280
tgtgggtccat	tcaatagctg	actgtgagca	tccacttttg	tgtttgctag	gccccggcat	11340
agtctcacaa	gagacagcta	tatctgggtc	ctttcagcaa	aatcttgcta	gtgtatgcaa	11400
tgggtgctagc	gtttggaagc	tgattatggg	acggatctct	ggatatggca	atcactagat	11460
ggtccatcat	ttcgtcacac	ttctaaattt	tgtctctgta	actcctccca	tgggtgtttt	11520
gtttcctatt	ctaaggagg	gcaaagtgtc	catactttgg	tcttcgttct	tcttgagttt	11580
aatgtgttta	gcaaattgta	tcttatatct	tgggtatcct	aagtttcttg	gctaataatc	11640
acttactagt	gagatcatgt	tgtgagagtt	cctttgtgat	tgggttacct	cactcaggat	11700
gattgccctcc	aggtccatcc	atttgcttag	gaatttctata	aattcattct	ttttaatagc	11760
tgagtagtac	cccattgtgt	aaatgtacca	cattttctgt	atccattcct	ctgttgaggg	11820
gcatctgggt	tctttccagc	ttctggctat	tataaataag	gctgctatga	acatagtgga	11880
gcatctgtcc	ttcttaccag	ttgggacatc	ttctggatat	atgccagaa	gaggtattgc	11940
tggatcttcc	ggtagtacta	tgtccaattt	tctgaggaa	cgcagactc	atttccagag	12000
tggttgtaca	agcctgcaat	cccaccaaca	atggaggagc	gttctcttct	ctccacatcc	12060
tcgccagcat	ctggtgtcac	ctaaattttt	gatcttagcc	attctgactg	gtgtgaggtg	12120
gaatctcagg	gttgttttga	tttgactttc	cctgatgatt	aaggatgttg	aacatttttt	12180
caggtgcttc	tctgccattc	ggtatctctt	gggtgagaaa	tctttgttca	gttctgagcc	12240
ccatttttta	gtaaatctca	aagcacacat	tgcacctcac	acaataataa	tgggagactt	12300
caacacacca	ctttcaccaa	tggacagatc	atggaaacag	aaactaaaca	gggacacagt	12360
gaaactaaca	gaaattatga	aacaaatgga	tctgacagat	atctacagaa	cattttatcc	12420
taaaacaaaa	ggatatacct					

aaagaaacta	gagagagcat	acatttagcag	cttgacaaca	cacctaaaag	ctctagaaca	12840
aaaggaagca	aattcaccca	agaggagtag	gaaataatca	aactcggggc	gaaatcaacc	12900
aagtggaaac	aagaagaact	attcagagaa	tcaaccaatc	gaggagctgg	ttctttgaga	12960
aatcaacaa	gatagacaaa	cccttagcca	gactcactag	agggcacagg	gaaagcattc	13020
taattaacaa	aatcagaaat	gaaaagggag	acataacaac	agatcctgaa	gaaatccaaa	13080
acaccatcag	atccttctac	aaaaggctat	actcaacaaa	actggagaac	ctggatgaaa	13140
tggagaagtt	tcttttacatt	ttaaagttag	gtagtggtag	ttgttttggg	ttattttttt	13200
tttttttttt	tttttatctc	taatgttgtt	gccaatttag	aggagatat	tgaaggaaat	13260
tcgggtgctg	aggtggatct	ttggggagtt	gtaaaagcct	tctcatttga	tagtgtaatt	13320
gtttaaagag	ttttgtagat	aaaaggctct	ccttttgatt	gaccattttc	acaatatgaa	13380
tttaaaacta	agtctttctg	tcaagtcatc	aacatcaaga	aaaacacaat	ttccttagta	13440
tacaggtgta	tcaaaagttt	gtctacttgt	acttcaaata	catttcaaga	tgtaaatttg	13500
agacttaaat	ttttaaaaag	agaaaaagat	atcttagaga	ctatagagtt	ggctcagagt	13560
aaagagcatg	ttctgggttt	tagaggaccc	aggttcaatt	cccagcagct	ccagaggggg	13620
tgcttgccac	aggctcctgt	acacaccatt	tatacattcc	catagtcaga	cacgtgcagt	13680
tacacataat	ttaaaacata	atgaatcttt	tctaaaagat	agatcttatt	ttatttttta	13740
aaatggttac	cataaaagct	ttataaatca	agatagatat	acaagaaaaa	tatatataaa	13800
cttagaaata	tattctaaga	taaaagtcac	tgtaatacac	acacatttag	tttgcttact	13860
ctccagggat	aatgatgaat	actcaatctt	acattgaaac	agcctctgat	agctcaatct	13920
tggctagatc	aaatagggtt	taatgcagta	agctttactg	catataaaga	ctcactaact	13980
tattatcaca	aatggccaat	tcaagaaaat	ataataatgc	taaacacatt	caccaatatt	14040
ttgttttaaa	atatataaaa	cttaacagaa	atacaaagat	gagttgattt	ttattgctac	14100
gggttaattt	tatatacctt	tctcagaaaa	tgatactata	aaacagacca	gaagttcagt	14160
aaaattacag	aaaattttaag	ccacacagct	attatctggt	ctaataagct	tatctaatat	14220
acagcattta	cagctagaga	atacaaagca	tgcttcttaa	atataaggta	cagttattat	14280
tttctatgca	aagtacagtg	atttttaaat	attttaaaaa	taattatgaa	aatggtattc	14340
tggaaaaata	aatacaaatg	aggaatttaa	ccattagcct	tgcccttttc	agtttattaa	14400
gactttgcac	tcagtccaag	acaaaaagtc	ctacaagtgt	tagtaaaactg	agacctggaa	14460
cacactaaag	taaactctagc	acatggccca	ggctcctttg	ctagaaattt	ggctactgtc	14520
agcttaagtg	aatagcactg	tgtcacagac	cataaggcac	actagtcact	agctgtgacc	14580
ccagccacac	agatttgtgt	gtaagaagct	gacatttctg	ttgtctaatt	gctgcagtga	14640
agactttggg	tagtgcaccg	agtaagagga	gagcacaaac	atccttgctt	tacttttgaa	14700
atcataggaa	atgctctcag	tttgtcctca	ttttagaaga	atggtggcca	taaatttgtt	14760
gtacagagcc	attattactt	tcaggtgtga	tgtacctgtt	cctaatgcct	gcaggacttt	14820
tatgcttata	aactgccttt	tctggaatca	agatggttat	atgtttctta	accttgtatg	14880
ttataacat	atattattat	attgatttac	atattgcatg	gtgacctgc	tcttcagggt	14940
gaagctcact	tgatcacaa	gtatgatctt	cttaatgtgt	cccagaattc	agcttaaaag	15000
tatttgattg	agaacttttg	catctgtgtt	aatcaaataa	attgatctat	agttaaaaaa	15060
aaaaaagaaa	agaagaagaa	gctgacattt	ctgccagctt	cagagcacct	tgtgcccaac	15120
ccttagaagc	aaaggctctg	ctctgctgtc	tgactgtgca	catgctgtaa	taaacgaatg	15180
cccatcttcc	tacaggaaac	agttgcttat	ttaataaata	cttagaacat	cactaggagt	15240
ccatttcatg	agtttatttt	ctgaaaacct	tggatgcgaa	ctgactacac	aagacgttcc	15300
tttaaatttg	gtctccatat	tcattttaaca	gattgggatc	ttgaaattct	ttgcaaaaga	15360
agaaattgga	atccctaate	ctggggcact	gtaattataa	aaatagaata	tacaggcata	15420
tgaaaaaaat	gctcacaggc	agcacaatg	ataaaaagat	aattttaaaa	ataaaaaacag	15480
ttagttgata	ccctcctttg	ttttgcaagc	actgtaacaa	ctaagataaa	gatttaaacc	15540
tgaattcatt	tcctcctctg	tgattagaaa	ttttaaaaat	acataatttg	ccctgctata	15600
ttttttctag	tcattagttg	agatataatt	tcagaagatt	aaaattgggc	ttttacagcc	15660
cctatcaaag	caatattatc	ttgccagttc	ctacctccct	gtttagtaaa	cagaggggtt	15720
tgtcaactgg	catagactta	acttatttta	tgtacttatt	atatgtccat	gtggttaact	15780
gggttctccc	tttcatccca	aaagctctgct	gcagaaaagct	ggctgtagcc	atgctgcaca	15840
cactttgggt	ctttttgcca	gtattggggc	cacagaacaa	agagagtcag	aggcctgcac	15900
actgttcagc	atgcatggca	gctctgtgag	aaagctgctg	cacatgtatt	actgtgcttc	15960
aacacacagg	aaatacttat	aaatactgat	tgtttttaaa	aaagaaaatg	aaaccattca	16020
acttatttca	aatatcataa	atgttataca	atcagatgct	tagaccataa	cttaattact	16080
aattgcaaaa	agtagtttaa	gaaaaattca	ttagggttgg	aggtaggggg	agtgcaaggg	16140
gggattggga	ggaggagaaa	gctgtgattg	agatttaaag	tgaataaata	gattaataga	16200
aaaaatatca	ataacaacaa	caaaaataga	tttggaattt	ttattttacat		

gcacaggggt	gtttagaagc	tgttactaca	agggaccaca	tcacaaaaaa	gaagagaatt	16620
tctttaaagc	aagaaacctt	gataccgaaa	accgtctgga	gaaaagtggg	caggcagctg	16680
gtcctcatgt	gcctgtcccc	tgtgaacaca	ctcttctgct	agctgacttc	atctgttgac	16740
agtctgggtc	cataaccttt	gctcagta	tcaagcacia	ctggagacag	ttaaagatgg	16800
caatggcttg	ctgtccccct	catcaaact	aggtccactt	ggacctctat	ccgctctcac	16860
actgtgagca	cccacaccct	gatattttcc	ccttaacagt	ctaaacctaa	atctaaaaag	16920
accttaggtg	ctttttgtgaa	aagtctgtct	caagacttga	ccccctctg	gaagagtatc	16980
actagggagg	ttcatttcctt	ttagaaga	atgttctgt	gcctgttgcc	tgctttacaa	17040
acaacaataa	atgaattggt	ttgttatcat	actgcctcgg	cagtgtcaaa	aaagcaggtc	17100
atctcgttgc	actatgtggg	aaaacactgg	gtatatagca	tcctctgtct	catcagcatc	17160
ttgaaagaaa	ccacattccc	ttgtgtcct	accaccatga	gcagtgtctt	ttaccatgcc	17220
tggaagctat	tcccagtgcc	ctctcacaa	ctccattgac	acaggataaa	aaggtgggccc	17280
cccaggctct	tgtagcatag	tttacagaat	ggggaatcaa	gctttccagt	tagtcttaag	17340
tatctcagca	ctaccttata	ctgcctacaa	gagggaggat	cactgggggtc	aaatatatgt	17400
gtatctcagc	ctctgcattg	tcataattctt	atctagcagt	tcatccagta	caaatttaaa	17460
agatactttt	aaaagttgac	ccatactaaa	catgtacttt	cctcttgtca	ttattctcta	17520
aacaatgcaa	ccaataaact	atttacaaag	catttatatc	atattaggtt	ttataattac	17580
ctagagatga	ttttaaatga	ggccatgaat	agatgtgtg	cagatacagc	agtaactgcat	17640
acaatatatg	tgttcaaata	ctgggtgact	ttataagtgg	aacttgagca	tccagacccc	17700
agggaaattct	gagagtgggc	tgtattctca	agccttcaaa	gtcagtgtgg	tagcctgacg	17760
gctgtcttag	tagctgtcca	ctcctcctgg	cggtttcatc	aggagtatc	ttttttttct	17820
tgacatttag	ttattggcct	tgtcatgatt	ctcccatatg	ggctatccag	gcccttgaca	17880
tttatgtatc	aggcagaatg	cctgatttga	accctctatg	atctcttaac	ctgcaggcta	17940
ctcttctccc	tggcccactc	acttccatga	agtgaatctt	aaaatgttat	gattcaattg	18000
gatgcttgtc	ttaaaaattg	aatactgtgc	taagaggcaa	ctcacaccta	attaggaaa	18060
ttttatctgt	catctgttga	aaatgtgccg	tacatacttt	taaaaaatga	gacttacacg	18120
tactatttaa	tttcatcaga	aactatgtat	aaaatctgtt	cttgtgttg	aaaagggaac	18180
cttatttact	cttcaataga	ttttggaaga	gaaattttcc	acttgaggga	aattttccgc	18240
tcagatacac	ttctggactt	tgtctctgac	atcttcatga	tgctctgtgc	tttgaatgct	18300
gtttgttctt	cctgtgcctc	ttccatggga	agtcatttct	aatccccatt	ttgaaacact	18360
gatttcaccc	cccccccctc	cttgaagtct	cttatgtcag	agggcattct	gacctcaggc	18420
agatcacagg	caactcaagt	actcaattgc	agacaaaact	tatttttggt	gcagggccct	18480
tgatgaatct	gggaggagca	atggaaagtt	ctgtaggtat	gtcagcccag	aaggaaaatgc	18540
atgtcttctc	cattcatcta	ggacctgggt	gatggaacaa	ctctaactgt	ccttgatgga	18600
tgatcatttt	tttttaaact	taattgtacc	ttgactcaaa	atatccaaat	aactgaatag	18660
ccacacaagg	gccctggcat	gagagtgggc	ttctgggata	tatgccaaat	tgctcctgtt	18720
ctaaggagag	gctataaagt	gaaagattaa	gtggagagac	agccccaccc	ctctaagtct	18780
tattcctatg	ttccattcaa	actgtgctag	cctgatttct	gtgggggtcca	ggctttggaa	18840
attctccttt	tttcatggat	gtctcagtgc	acctgtgtaa	accaagtttg	gcccttgccc	18900
tgttcatctg	tttccagctc	tactgattgg	ttccagtttc	cttgctcatt	aaagccaaga	18960
taatctggca	cccagtagtc	aggcatcctc	aagcatctgg	caccaagggt	aacctggaag	19020
ccagtgggga	ggcccagtga	cccaacactc	ccattgcacg	gtaagagaga	ggcgcagtcg	19080
gccaatgcga	gcatgggata	ggagcagaag	aatggggaga	gaatgggctt	cccaccttgt	19140
ccttgccctc	ctgcctctg	gaagtccaa	cgtgtctgtg	attccctgaa	atcttttctt	19200
cagcaataaa	atagtggttt	aaactcgaca	tcattgcaag	tttctaccag	ttgcaaattg	19260
ctaagtgtat	taaaacctaa	aagaaataag	ccccctttat	acctgttttt	gcaaaaattt	19320
gatctaactt	taactatact	agcagtagca	tattctactg	atgctttcta	caaactacaa	19380
gatgagcatt	gtgcaagcct	gcaattccag	tgcacaggag	gtggaggaaa	ggaaagacca	19440
gcctggatta	ccatcacaa	ctgtctcaaa	acaaaacaaa	acaaaacaaa	cagaagcagt	19500
aatatgggtg	atgtggtaaa	ggtactgtca	tgccatgatga	cctgagttta	atccttagaa	19560
cccatgcatg	ttggaaggaa	ttcacttctt	gcaaaattcc	ctttgacct	tataggtgtg	19620
ccatagtaca	cctgagtaca	agagttcaca	cccacaaatc	atacatcaag	aaagaacatc	19680
ttttaagaaa	aatagcagca	gctactaaaa	caaaatgaaa	aagattaaga	gttcctattc	19740
caaagcaaaa	ggttagctct	ctgagtccca	tattctctaa	tctctgaaac	aagaatgata	19800
atatctaa	cagaattgct	tgggaaatta	aatttaaaaa	tccctgggca	cctagaactg	19860
tgcaatacaa	atagtgagt	tttgatgaat	ataattaatg	ttaatacaaa	agtggaaaga	19920
ttaaacctaa	caaagagttg	tactacagaa	acaaacagca	gctgctgttc	agaagctggg	19980
aggtaaacag	aagagaagat	ccagaatcac</				

tgtgtatatg	tgagcatgtg	tatgtgtgtg	tgcttatatg	tgagcatgtg	tatgtgtgtg	20400
catgtgtatg	tgtgcatgcc	tatatgtgag	catgtgtatg	tgtgtgtgct	tatatgtaag	20460
catgtgtatg	tgtgcatgtg	tatatgtgag	catgtgtatg	tgtgtgtgta	ttgtgcatgt	20520
gtatgtgagc	atgtgtatgt	gtgtgtgctt	atatgtgagc	atgtgtatgt	gagcatgtgt	20580
atatgtgagc	atgtgtgtgt	gtgtgtgtat	tgtgcatgtg	tatgtatgca	tgtgtaggca	20640
cctagttttc	aactcactgc	ttcttcgggtg	tagtgaaaaa	taagtagtgc	tagatcaagt	20700
ggggagcttg	tatagaagaa	aagtgggaatt	tgatccatgc	ttccactcta	cataaaaatg	20760
agctccatgt	gactcatata	tctacatgag	aaaagcaaat	tacaccgcat	caagaagata	20820
gcagaataat	actctcacag	ccttggggga	gccaagatt	tcttaaacca	ggagtgaana	20880
ccatggtcct	taatagatta	ggtctgccgg	gggtgggggg	gggggtggca	cacgccttta	20940
atctcagcac	ttggggaggca	gaggcaggca	gatttctgag	ttcgaggcca	gcctggtcta	21000
caaagttagt	tccaggacag	ccagggtctat	acagagaacc	cctgtctcaa	aaaacaaaaa	21060
taaacaaaaa	aacaacaaca	ataaaaaatga	ttaggtcttg	tgtggtagt	catgccttta	21120
atcctagccc	tgggagacca	aggcaaccag	gtccccagga	aacccccatc	tcaaaaaaaa	21180
gaaaaaaaaa	agattttataa	actagactgc	ctattgctgt	gataaaatac	catagcaaag	21240
gtaactttta	gaagaaaggg	tttgtcatgc	acacatgtgt	gcacatacat	acacacacac	21300
acacacacat	acacacagag	agaggggggg	agagagagag	agaatagtgt	ctatgctatt	21360
cctgtagcag	atttatatcc	tttgcatgta	taaattgagt	ataatttttt	gtctttgtct	21420
acttctgaaa	agccagaaaa	tggtttctcc	ctcatgcaaa	gaaatgaatg	aatgagtaaa	21480
attgagtaat	tagactgaaa	agagagctat	ttaacattac	tagaaatagc	ccctcgcccc	21540
aaagagtaat	gagagccctt	ccaagttttt	atcactaaga	tataaagtga	tgaacttttg	21600
cctctcagaa	tttgaagtga	gaaacaaaaa	ttttaatttc	aagtgaagg	aagactttat	21660
taatcagtag	ataattacag	ttaacatata	gtacctagac	atttaaatat	acatatattc	21720
tttgagatat	ataaaaattat	gtgtctttta	aatttttgctt	ttagaaacta	ataattatat	21780
attcttaata	gaaaaaaaaa	gaaaaaaaaa	tctacaaaag	gctgagtgtg	atggagcatg	21840
cctgtaatcc	caggcctttg	tgagtcttga	ggtaggagga	tcaggaattc	cagagcagac	21900
ttcgctacat	ggaaaagttg	gtttgaggtc	agcttgagac	cctgtataag	aaacaacagc	21960
acaaaaaact	gggtgcagag	agataaaaaga	tggagggaga	gatgaaagga	agaaggaagg	22020
aaggatgagt	cagtctataa	gtgggcatga	taatgtgcta	aaattctgta	tcaaacctac	22080
acgtgggcat	gtcgagctct	ggagaagagc	tatcagcagg	aatcatacag	tgctcactgt	22140
cccacaggag	tcaagcaaga	ctagggctct	gggacagcca	taccaaggca	cctgagaagc	22200
atgtgaaagt	gctgggagca	agtatagtgg	gcttacacaa	actagagtct	cgtttctaca	22260
ttggaaacag	ttgtgcttaa	aaagtatatg	cccagtaacc	gagtcacctt	tacagagcct	22320
gctggccacg	tgtcttagtt	gccacaatcc	accaagagaa	ttatcaagta	tgctggctcc	22380
cattccatga	cctttgggtcc	aggcttgag	ggaacagtgt	gtgtactgtg	gactcagtta	22440
tattggaagca	agtggggata	gatgcagtat	tttgtcagtg	aattttaaaa	ataatctcaa	22500
ccttaaatga	gatttatcat	ggaaaaaatta	gaatttgttt	ttaataaatg	tggaccacaa	22560
agtcaggaat	aatcctatct	ttctaagggtc	caaaagtcac	cactggggac	attgtcattc	22620
tgttccaaac	tataactgtc	ttttgtctca	ttggcttctc	tttcttttaa	aggttgtacc	22680
taatttctgt	taactgtatt	ttgtccttct	caattttttt	tcctttcttt	ggctttaacc	22740
ttgcaatttt	gggggggtgat	ggagagtctt	gaacatgcac	aagagccagc	tgacagaata	22800
ttataaaaact	ctgtgttgct	tctgcaagtc	ttacaccata	gccagtctgc	cccattttcca	22860
ccctagctct	gcaccctgcc	ctagctcctg	ttactttgac	tttctcagtg	tgtaccacc	22920
ttcaagggtc	cttccccagc	cctgagcttc	cctgtcttgg	tggtagaggaa	tgatcagagc	22980
tgtgtgctta	gtgctctgtc	ccaggcctga	ctggctgacc	caggctttcc	cctctcactc	23040
tggagatgcc	tggaaaattcc	cagacattgtc	tgtgtgccagc	ctcacatgtt	cagctcctct	23100
ttctccttcc	tgtaaatgaa	ggagcccatt	gctcaaatca	tttgggaagg	gaaaagtggg	23160
acttactacc	tgggtgttct	tcttccatgc	tgttcgtata	aattttaaact	gagggttctg	23220
agaattagat	tgaacatgac	gaaaagtgtc	gtgtgggcag	cttcgctgag	tacttgacaga	23280
ctgatagagc	cttcgcaaca	atgaaggagg	gaggctcttt	acgctgccta	gctccagaag	23340
gtaagctcac	cagttaagga	atgtgtatct	aaagggcctc	tttaaccctt	tgatgggtag	23400
caaagaaaaa	aaaacagaaa	gaagaaaaga	aaatctacaa	accattccag	atctggccct	23460
gaggggcccc	tgagtgtttg	tgccagacag	caccctcctt	gtgcgcgcag	accttgcat	23520
gcattcagat	ttatgtgtcc	tggaaattttt	cattacttca	actccttcta	agtttaagaa	23580
atagcctcaa	atcctcacca	cgtcacggcc	atggagtgtc	gccatggcat	gccatcccgg	23640
tggccaactt	ttgtgtgagg	agattacata	acaaaatacc	acatggaact	ggaattcatc	23700
agtttgaatt	gtccttctta	cctagcaact	ccgtcagtgt	ttccaccaa	gtcagcggga	23760
ctttgcttgt	accagttaaa	agaggaagtt	tattgtgtga	ccacaagggtg	atataagccc	23820
aattgttttt	caggtgttta	gtctgtctca	gaacttcaga	agaaccaagc	aaggccagg	23880
cctgcatcct	ggctgcatga	gttaccctaaa	gggaagccct	ttctgttgcc	cctttggtca	23940
gcttatcatt	cctgagctct	caaaccagat	ttgtctcttt	cttcaagctt	ataggttggc	24000
aacactgggtc	atgaggtcaa	gagggtaatc	cccaagagca	gtatgttccc	atcacaggtt	24060
ggctaggagc	ccatctaagt	ccagcatctg	ctgttttcggg	gagaaagggg	gtcttgtagg	24120

tatatgatgct	ccatcctctg	cctgtactta	ctgcattttt	gacttgccaa	acagcttatt	24180
tctttgcta	gctacacat	tattcagaga	tcaagacctt	ctttgggggt	cctgtttgca	24240
gttttagtatc	gacataaacc	cctcattctg	gtatgcagaa	tgaggccagc	agccaaatga	24300
gaatgtgaac	ctgggtatatt	ccttaagggtc	cgtttggtgc	tttccattct	ccggcgggctt	24360
cccatcttag	ttgaaataaa	acctacgtgc	ttcatcctga	cccaacatgc	ctactgttag	24420
gcccatactac	ctcactagga	tcctacttca	gtttttcccc	tcccttctctg	ccttctcttt	24480
gtttcttagg	ctcctcaagc	ttgctctgct	cctagccctt	tgttctggat	atgccctgcc	24540
aaccattcat	tatttgacat	agtccaatat	accttgccaga	tttctgtgtt	tgcttcagag	24600
aagccatcat	aactaaactg	agacatgccg	agcattctct	cccatgttgt	tactttaccc	24660
aaagtccctt	ttactgtcct	aagtagacat	cttaatctcg	ctatttactc	acttgccatt	24720
tagtctctct	acactagaac	agaagctcca	tagaaaggac	cttgccgtgc	cttctgcatg	24780
gatatgcccc	aggccccgga	gaagcttgac	acatacatgg	taggagcttt	cctagcattt	24840
gtctgatggc	tgagtgagtg	gcggtgctgg	tcaagagcgt	gctggagaga	ctgcctaggac	24900
tatgatataa	ttcagaacca	agctatgtgc	tgtctcactt	gtaggagagt	agttctagaa	24960
gcccctgggct	gttggcacag	ccacagctgt	tgctagcctt	tgcccaaccc	tgttctactc	25020
tttctcttat	acagacagat	tcttgtcccc	taaggacatg	ggcttgttct	gagcagccta	25080
taagctggag	ctagagcaat	aaataaaaaa	cctagggaaa	tgttttggct	ttgaaaaggag	25140
tgggagatgc	atacttgcaa	tttttatctg	aggatgaagt	agactacact	gagaagtccct	25200
gactttgaag	tcacctaaag	ctttcccgct	cattcatttg	atgtgaaaca	ctggctataa	25260
gccttttctt	tgtccttttaa	gctgattaca	gggtggggac	ataactgata	acgagcgtgt	25320
ggtaactgat	gctgggaaat	gggtaataag	aagctctagg	aaggcacaga	aggggatgac	25380
ggcacaactt	tgcctaggtt	ctcaggacag	tcctgccaga	gaaagccctc	tcttaccctt	25440
ccattgagtg	tgagggaaaa	catgagctgt	caggaatagg	cgtggaagag	tgtacacaca	25500
cacacacaca	cacacacaca	cacacacaca	caggatgggg	tggggaggag	aggaggagct	25560
ggagttttgg	gcttggggaga	gacaggcatg	aagactgtta	gtttcaaatt	agtcacctca	25620
ctgtgagaag	atagcataga	gagagagaa	gaggagtcaa	agcgggtgga	ctctggtgag	25680
ggatgggcag	gcctggattt	caaaaagagc	gactcttctt	gtgtgaagga	caggtttgtg	25740
cagtgccagg	gagcagtaag	gaacttggtc	agtcttctct	aaaggaaatg	atgggtcattc	25800
tagtaaagtg	gggatgggtg	gggaagaggt	ctgggcaaac	tggagaactt	cagaaaatag	25860
agtgcggtat	gactggtcag	cagcggcatc	ctgggtttcc	tctgatctgc	tccgtgaagg	25920
tgcctttgta	gcttttagtga	atttgagag	gacacaaatc	ctgtttattg	tagcagatac	25980
tattgtttct	gtgcagagtg	tcctgtgcc	ccaaggccct	ttgcagtaat	ggtgcaggca	26040
cactcaagtg	accaggtct	ggaagggcct	atthttgccc	taactaagtc	aagactgcca	26100
atgcctccat	ttctcccatc	ctcgctggg	cagtcctcga	tgttgccaa	gcctctggta	26160
gttaagacaa	gctctctgct	tccagctaag	gctgactgtc	agctagagat	ttagaaagga	26220
gcttctgggg	tttccaggac	ttattcttct	aattaaagag	aactggagtt	aatggtttag	26280
tggttgttcc	ataatcaggc	cctgctacaa	gtggttaagg	agcttggcag	tgagaaccaa	26340
aagagccttc	agggacaggg	gtgtggctgt	gaacaaggct	aggaaaagga	cttctgcatc	26400
caaagctaag	aatgtggctt	cccttgagtc	atggatgata	gggaggtttt	tgagttgtgg	26460
cccattgaga	cagaaaatta	ggctgtttca	tcttgtcctg	gaagtgactg	tggatggggg	26520
tgggtggatgt	gggggagtg	aggggggata	aaaggaacaa	aagcttggga	gtcaagctgc	26580
cttgaaattg	gggtttatca	catectggct	gggccatggt	ggaccgggtga	ttagcagctc	26640
tccttacctc	caggtgattt	atccttgcaa	tctgttgggt	gtggttattc	ttaatgttag	26700
attgtactca	gacaccctgg	cacagacata	tattttaaaa	gtgggtcattc	cttctcttct	26760
gattagcatt	tgaaggggaga	tgaatctcat	gcctgattag	cagttctatg	aacatcatca	26820
ccaatattat	gttcatgtag	ttgtcataga	ttatgaata	cttgactatt	tttacatcag	26880
tgagacttca	tctcactccc	ataggctttt	gtccactagc	ctcagtgtat	ctactaattt	26940
catttaggcc	agttctcctt	aaaagctgaa	tttccatgtg	tggatgtcta	atggtggcat	27000
caaccagagg	ctttattctc	tttatcatgg	gtttattcaa	gaaagccctt	cactgaggct	27060
agagagatgg	ctcaccaatt	aaaaggacat	gtgttcttct	aggactcact	caggagggtgc	27120
acaactgctt	tatctctggc	gctagagcat	ctcttggcct	tcataagctc	tccactcatg	27180
tacacaaacg	ctcacattca	ctctgccaaa	aaaagataag	taaataaaaa	tgacatcttt	27240
taaaaaatgaa	aaaaaaaagcc	ctttctcata	agtagaatcc	ttgagaacag	agcaagtgac	27300
caccaggagg	atgccacacc	catgaggata	ggacaaggac	cctgttgaga	agtgggtgcc	27360
ctagctgcac	aactggattt	gaaaagggtg	tttctaagcc	ctggctcgaa	tctattagta	27420
ttttacacaa	gtgaagagat	tctggtatct	tctttgactc	tttcaaagga	atgtttatat	27480
ccctaagagc	tttgagcct	tggtaaaagt	gtgggacagg	catgaat		

aaattcaagt	ccctcaaaata	tatttttggtt	ggcctccact	atgtttttatc	tcctgtaatg	27960
aactctttgt	cagtttgtca	attttcacgg	agttcacaaa	gttcatgtat	agtaacacag	28020
agccaggttt	aaaattatgg	tttatatcat	gatgtaatag	tcactctctct	tttccttcag	28080
tcaatatttta	cctgtgaggc	ccatatatta	tatcctgatt	tcaaaagaag	accctttatt	28140
ttaccttctt	taagtgttg	ttttaaaatac	ttaaaatatc	agaattttaga	agctgagctg	28200
tctgagactt	ctgcctgtga	tcgcttaaag	tgccatagagt	gtcaggcatc	ctgggtgggt	28260
tccttgacc	ttgaccagc	aacatagcta	catgcctgtc	agagtgaggc	tgctcaactt	28320
agagccaggc	tgctctatcc	cagctcccca	gacagctttc	tcctatgaaa	gataaaccca	28380
ttgtaccacc	ccatagcagc	catcagccag	ctgccttaga	cttgacttct	cctttgtaaa	28440
cgctataagg	ctgtacagaa	aaacccaagg	agcactcatg	ggaggatttc	tgtgtgtcag	28500
aacaagtga	gagtaaattc	tatccctttt	taaaaattgc	ttctttttgc	acccattttt	28560
ttaaagcaaa	ggtaagaatt	agccctagt	atcgaggaat	aggaaagaag	taaaagctac	28620
aaatgttcca	cgtcaactat	ctggtggggc	agggacatgg	tggcaaaggc	tcctgcccc	28680
aggtctgtga	tctgagttcc	accttcaggg	ttcacatggt	gaaaagaaaa	aaaaatgctt	28740
tcttcaagtt	ttcttctaac	attcatatgt	acaccatgac	atgctcacc	cctccacaca	28800
catacccatg	catacacgta	catacgcagt	catataaata	agaatgtaat	ttttaaaaga	28860
aaaattaaaa	atgtctgatg	ttttaggact	ggtcacacag	gtcaccaaag	gagcaaatgg	28920
gggtatgcta	ataagtcctc	tgatatcaga	tgtgactctc	atgagtcaga	accgaaagag	28980
gattcattag	ctcagaaacg	tccaagttaga	caaatagact	aggttcaacc	tcagctggat	29040
cctggagttc	aaatgaggtc	accttggatt	ttcccttatt	tcttagactt	gttatttttc	29100
tatgttgggt	tgagtatgca	catgaaggta	gttcttggtc	acggtagtgt	tatactgttc	29160
ttcatttctg	agttcacagg	agagaccctc	taggatgaag	tccatgttgt	cccctaaaaa	29220
caggctctga	aaaaaaaaat	ctatttatgt	catatgcccc	tgccaagaat	agtcactgcc	29280
aacaggaatg	gggtgtaagg	aattgtgtca	ggtgcatgct	cagtttaagt	accttaaac	29340
ctgtgcttgt	atctccaatg	tatctttatt	tctctatggt	aaatgcctat	tttatgagca	29400
tgttcttttt	agatactgtc	catttttgat	atttccataa	tcacatacat	aagaataatc	29460
atgtatgtat	tatacatata	tatatcaaca	tgtatgtata	tggcatacca	tattttaaagt	29520
tgatataacag	gacattcaag	ggtaaatctt	aagtttataa	actacttatc	ctatggcctt	29580
aatggacagt	cccactagcc	tggccactac	ttcttttggtg	gcccttagaa	ggattggact	29640
gttgaagaa	aagaaggaag	gaaggaagga	aggaaggaag	gaaggaagga	aggaaggaag	29700
gaaggaagga	aggaagggag	gggaagggag	gggaaggaag	ggaaagggga	gagaaggcaa	29760
ggcaagggcaa	ggcaggagag	aggaacaagc	agactattaa	ttctacacta	ggcctgtctt	29820
ttgcaaatgt	gggtgatggat	ttacccaaag	atgagaagcc	tttagaaatg	ggagatactt	29880
gtgaaaacgg	tactctcatt	attcacaatg	gaatccttgc	cgtctgtttg	gtgtggatga	29940
ggaaagagaa	cagcatgcct	cacagcagct	agaagttagt	ggaaagatta	gaatagtgc	30000
ccacgcttca	gggatgagcc	tgtagggtatg	atacacacc	taggaaagga	tgccagggga	30060
attctgctga	ccttccaacg	aagctgatac	cccttctcat	ctgcttacag	gcaccttcga	30120
agtgggcgtc	cacatcgccg	atgtgagtta	ctttgttctt	gagggatcct	ctttggataa	30180
agtagctgct	gagagagcca	caagtgtcta	cttgggtccag	aaggtacaaa	tcagctttga	30240
gtttctagac	tttactaac	acttagtgtt	ctttgttttt	aatttgtaaa	gaacatgcct	30300
tttctgaatg	ttttctcaga	tctagttagt	tctaaattat	gaacttgatc	ctgggaatat	30360
gcttgccctt	tgctactgca	caatttcttg	aaagaagcca	aggctttaat	cccaagcttc	30420
atcttcagag	tatccttgtg	atattagtag	ctgcaacagt	ggtcagcttc	agaatgaaat	30480
gaggggaaat	gcttactttc	aaactattgc	tcocaaagaag	gacctgtgag	acacccacaca	30540
ccaactgctg	gggtctatac	agtttggttg	ggacccagca	catccaatct	cttgtgttat	30600
ctacgaccac	tctcacatta	tagtaaacaga	gtggaatgac	aatttactat	ctacaagagc	30660
ctttgagaaa	tggttttcagc	ccttggttcta	aacgtgggca	ccaatcctga	cctacacttt	30720
acaggtagca	cacagagtcc	ccatgatagc	ttttgctggt	agatttccct	cacctcagct	30780
atgaaaggaa	gaaattctaa	cccctctggg	gaagaagact	cagaaagtaa	actatctgcc	30840
atgtgaacat	aaggacctga	attcagatcc	tcagcaccca	catgaagctg	gcatgatgac	30900
atgtgtctgc	gatactggca	tgagttagag	tggaaggggc	cagaccccag	gactcactga	30960
gcagcaagtc	tagccaagca	gtgagtgtgg	gctttggtga	aagcctgtct	caaaaagtaa	31020
aacagagcat	gataagggaa	gattctgcct	ttgatcttta	cacacacgtg	tacacacaca	31080
tacacacata	cacacacaca	cacacacaca	cacacacaca	cacacacaca	cacacacaca	31140
cacactcaga	ggcaggtgga	gaaggagata	tatctatttc	atcctatgta	actggtacat	31200
ccctacaagt	aactatgaga	acccatccct	ttaatgtgtg	tttaccaagc	accaagtgtc	31260
tactaggcct	tgcagtggc	ctgaagataa	ataaaaaatac	acatgtgact	tatctctatc	31320
ctccatgggtg	gttcagtgtg	tcttccagcc	ttttgtttct	ctgacaatct	gctcacctgc	31380
tcattttggc	tcattcatttt	ttgggctgtc	ttgacattca	tttctctttt	gctcccatga	31440
actgaatggc	ttgaaccttc	cctcccaaat	gcccatttct	acaacatgac	ttttggattt	31500
taatcatgac	tataccaagc	taaaatgtct	gccccactc	ctgacaacc	aacccaaagc	31560
attcttgaag	ctggataactg	ctgtcttggc	ccagcaatca	gggaccagag	actagccagg	31620
tgacacacct	actccattct	tagaatttcc	aaatgtcatc	actcagggaa	ggggtacagc	31680

tctctagctct	caccactaca	agctgcctgt	gtgccacac	ggttggcaaa	aggaacacaa	31740
ggccatgcac	tcagcctcac	aagcagtgtg	ctctcatggg	ctgcctgctg	cctctccagc	31800
tctctgttta	ttctaggtag	aatggttact	agagtgtcca	gctgaagttc	tgaggtctct	31860
gcctgcatag	ggaaccttgt	ggaggattaa	aaaggggtcc	actaggatct	aggttttcac	31920
ataccttttg	tcctgaacat	ttttatcctg	tttataagac	aacctctcct	ttctcttaag	31980
tcttgctggc	ttctcttgct	ccctccatac	tttgacaaac	aagaccttga	aaacacatgc	32040
ttttctgggt	gtcttaactc	ctattttcatg	atgctcccaa	gaaaagttta	gttctttcgt	32100
aattatgttg	tctagatgct	gtaaggcgag	gccatagagg	cacagattgt	aacaaacag	32160
agagacactg	tctcaagcaa	gttggaaggt	aaggaccaac	caccatcat	ggttgtcctc	32220
tgatctccat	tacatgcacc	atggcatgtg	catgcctgca	ctcatatata	cagaaaaatgt	32280
acactcatac	tattatgaga	gtggccttca	ttcaactttg	tatctcgttt	tggtatctat	32340
actaagcatc	ttgaagaaaa	aaaaacatta	aactcctggg	cccccttct	tagcttgacc	32400
cttctgagag	tgcagttctg	actcttgtac	aaatgactcc	acttgacctc	aggctgaagg	32460
catcccatga	gtacttcctg	cctgatgctg	atgctgcca	aacctggctt	ttccttggtc	32520
cagacttaga	agaaggaaga	tgagctttcta	tcccttgtag	ctacaaaacc	tctagtgtag	32580
aaatgggaag	taattgcata	cacttaaagg	ctgtcaagta	agtaagtaag	tgtgaaatgt	32640
tcttcatttg	caagtttaac	tctgcctttt	catgagaact	ttagacccca	tggagcctc	32700
ttctcttagc	gggtggcttt	ctcgtgtctc	acagctgcag	ttcctcttta	tgaccaggaa	32760
ttctgtatca	aaattagaaa	ccaaaagaat	gaaattgaat	taataactag	tgtttccctt	32820
tctgttccct	ttactttggt	attgtgacaa	tcacagttgg	agaatctctt	tggtgctggt	32880
ggggtctggt	gctaaactgt	aaaggtaggg	ggctggtgga	agaagggtt	tgaacctcca	32940
ctgctcagcc	ctgcctccag	cttggcgagg	gcttaagggt	ccggccca	accttggaca	33000
gcaggagctg	tgcatcttga	tgcttttgaa	gcactgctct	gacctttctt	cctactcagc	33060
tttgtttctt	aaagggtgt	gtccagggaac	tttctgctgg	tttcaacttta	ctttgcctat	33120
aaaggtctta	aaagcgagt	ggctgccttt	ccctctgcat	attctctgtt	ctctcatttg	33180
gccaatcat	tttttccaa	ctctatcat	ccagggaatg	ggggtgggag	ctccagtaga	33240
tttccatct	atagatgtag	agttccaaaga	gttttaagat	gttctctcct	gacccagca	33300
ggttatcagt	ggtgctgttt	ggttaatgtc	aaactgggag	gcaaagggtt	gctcaaattc	33360
tgaatttccc	aactcttttc	ttttcaactga	gatgtctact	tataagtaat	ggttagagtc	33420
acaatctaag	cttgggtttg	ggaatgatcc	cagagaatag	gacaatatac	agggaaaccag	33480
acttgggtcc	agatcgtagc	tcactggctt	taaatgaaat	tcctcttggt	gagatttgac	33540
tcactgtgta	aggactcagt	aacacaagtt	aacaaggga	catagtcaag	agaaagataa	33600
attaaataat	gtctgtttaa	atgttaaaac	tcaccttcc	ttttgacaaa	aattgtttctg	33660
ttaggatgaag	gacaactgtg	tatctgaact	tgaacctatt	ttcagaggct	gtgacatctg	33720
ctcagctaat	atcttctctg	ggaagaaat	acaatttatt	tttaagtttt	aaggtaat	33780
gaaaaaata	ataagtgaa	ttaaagttta	aaagttaaag	aaaaccttaa	cagtcgaaat	33840
ctaaacctaa	gctttgtgtc	tgctggccca	gccatgcatg	ttattttagg	tgtgaaacag	33900
ctcagatgaa	agctcgccca	taaatctcga	ggatatttta	ttggtagtgc	tttataatag	33960
agatcaaaga	ttgggattgg	aagcctgtct	tcatgtagaa	tccaacgagt	tttaagatgt	34020
tccttctga	cccagcagg	ttgtcgggtg	tgctgtttgg	ttaatgtcaa	actgggtagc	34080
aaaggggtgc	tcaattctg	aatccatgga	tgtgttgata	tgaaaaagga	gacctttca	34140
gcagagatgt	tggttgcaa	agatattatc	tatttcttt	aagtttcttt	agtctatgag	34200
tggggagcta	gctgagcatg	acttgggtgtg	aaaacttcca	agtcttaagc	aaaggagaaa	34260
acctgactt	gccatgctgc	agatctgggg	tgactgagg	gggtgagggg	atggttacct	34320
aaggagccag	ccagatgtg	aactctcaga	cagttagaga	ccccattac	ttgtgagtgt	34380
ctggcctgat	gtcactgtct	atccttctg	ttcctccgca	cccagatgat	tgattcttcc	34440
cttctgtggc	cctttcaact	ggtcacaggg	ctgtcctggc	tcacctactg	ctgaacttgg	34500
ccagcctgcc	tgctgtggct	ttagcagatg	tttctgctct	ctgaggctca	tgtaggttt	34560
tatagccttg	ttggtacccc	caccagcag	tattgggcag	tggtgtactg	acctaaatga	34620
ccagttccct	caactctccc	aagccctggt	ccagaatgct	tagaaagtca	gggttctgtc	34680
atcactcct	gctctacagc	cagcctttaa	gctatatcca	gactgaactt	tgggcttagg	34740
tctgaaacat	tcccagttc	tctgccttca	ctgtgccca	atctatagtt	cttccccact	34800
tagcaggact	gagagccgcc	agtgctcagg	atgcaaaact	gaaagggata	ctggtcctgg	34860
tctgatcag	aaaaggttga	cacattataa	gcacttctag	tacactggac	tgcttagtt	34920
acagaagtac	agagaggaaa	gggaggtcat	gtctccttgg	ggttgaagga	ctgggggaca	34980
gcttctgcaa	gagtcaagaa	gatgtcacia	aggccagctt	tgaaatgtct	cacatttttag	35040
gagaatgtct	ggatagaaag	aaatagtttg	gggaccttcc	atacagaggt		

caaggtaata	ggttatgctc	agttttgcaa	cagttgagtg	gccttccttc	taagtagaaa	35520
ctctcttgag	tgctctggat	aaaggaaaat	tcagccagag	tcagggctag	catatcagta	35580
tcagggctctg	ttccacatca	ctgccccttg	aaactttgag	taaatgcccc	gacataggca	35640
gagacacttg	ttcatagact	aaagtattta	tcaatgctac	agaatcatgc	tggacagtca	35700
cctccaatgt	cagcaatgcc	tatcacagag	caaaaaggaa	agagaagcaa	ggggtgggga	35760
aatggagaag	ctgtttctcc	aggtactgct	gctgcctacg	ttgagataaa	tacagagggc	35820
agattctccc	tagtagttag	cttttagtgc	atgtgactct	tggccactga	ttgtggggac	35880
ctaaccctgc	tctttctatg	ttttgttttt	gttgctcatg	acttgaggtg	ttattgtata	35940
gctcaggatc	tccccacctc	tgctcatcata	tcaaacctat	agatctagtc	tttagtgaac	36000
acttcctggc	ccaacccaaa	gtatctggga	cctattcatc	aataggagac	caaaatccag	36060
ctcaccacgc	acatggaatc	ctgggaaaagg	gaaaggcaat	aggacctgat	ataaatagga	36120
ttgcaggtta	tcaccagata	cgaaagaaga	tgacgggaa	gagagacagc	tcagtcatta	36180
ggagcacttg	ctgcataatc	atgaccaaac	ctcaacgata	tcccagtagc	cagatgtcct	36240
tacaaaacac	ctgtaactca	tgctctggag	gatctgatac	cttctggtct	ctgctcgtgt	36300
tcaggtaac	acagctatag	ataaccacat	acatcatgca	ggcgacaca	cacacacaaa	36360
ctctaaaagc	aaagaatata	ctgaagtctg	gagtaaagga	aggtgttatt	cgcctcagca	36420
acacacatat	taaaattagg	atgcatatta	aaattaggat	taatactgcc	cttgagaaaag	36480
gcttatatgc	aaagttgaag	agcgtccata	ttttaaaaaa	taaaaattac	tgaggcaaac	36540
tttattttcc	tggttttcca	ttattttcat	gaaatatcta	aagctaggta	tgagggttat	36600
taagttcaat	tttgtatctt	gactctttgt	ttgatagttg	tttgattggt	tgatttggtt	36660
tgcttttatg	ttgttgctgc	tattgttggt	tgtttttagtt	ttgagacgaa	atgtcatgta	36720
gcccaggccg	actttaaact	cttcatgtag	cccaggctga	ccttaaaactc	ttcatgtagc	36780
tgaggggtggc	cttgaaccct	tgatctcctt	tcctctatca	cacaaggata	agattaaagg	36840
tgcatgctga	actttgaaga	ctggaagtcc	aaatgacata	aggccacctc	tagtgagggc	36900
ccttttcatc	tcttcaaggc	agatagtagt	gcaatgactg	tataaaaaga	aaacatcata	36960
tggtcatgtca	gacggctagg	atgaaaaggag	gagccagtat	tagcctcacc	tgtcaaagtt	37020
cctactatct	gtcaacactg	ctctactgag	aaacagctctc	tgattacaca	aacccttgat	37080
gagagaacat	tcaaatcatc	tctaaattat	aacagaagtt	ctaccaacaa	tgattccatg	37140
aagagctttg	ccactgggtat	aggaaactat	agactatata	caaaaaggga	aaaccagtgt	37200
ccacatttga	acactgtaaa	tggagacaaa	gaaaatcact	tgatcgaggt	ttagaatgcc	37260
agaccttaag	cacaggcaga	ttgggtgtta	taggccagga	ctgttgctgt	cacaaggtaa	37320
ccaatagtct	aggaggtgag	aggggtggg	gaagtagaaa	tggcagtgtc	ttgtttctta	37380
agtgatttgg	ggaagttttg	ttgcttattt	gttcatttga	tggaggataa	ggtactgttc	37440
ttatagaaac	atcagtacag	ggaggggtgga	aacacacaaa	gggaagaaaa	caccaggctc	37500
tctattctca	tgctgtgttt	aaagaattca	tgatgttcag	attcaggtat	cagaacagaa	37560
gagtcctagat	tccaagaaga	ggcagggtct	agaatgcaga	ggacagaaac	caaggagaag	37620
gaggcaggaa	gaagaacaga	ggacagaagg	taagggccaa	ccaagaaggg	agtacaggaa	37680
aggccagtct	tgagtgttca	ctggttctgt	attttaaaaa	caacatgtgg	ttatagatta	37740
tataatatat	attactttcc	atatggtcat	atgtacacaa	atgaaacgca	tggatttcat	37800
gccatcatgc	taacattcta	agaaccggga	tcccatggtg	tttgctgttt	caagtcttgg	37860
tttatagaat	ctaaaattcc	tacaaggaat	tttacaagga	gtgtgtaact	ttgataatta	37920
agagaaaaaa	atgaaagctg	agaagtataa	accattctga	gaagcttcaa	gtggagcaac	37980
tggagtgtga	ctggcagagg	aatatagttc	ggagtttaagg	gaagctccac	ctttgcactt	38040
ggggaatcga	accagatgag	caggagatc	actagctaga	gctccaggct	gaaggcagga	38100
gacacttgcc	atgagataac	aggaccaggg	catccctgaa	aagctaggga	aaatggctca	38160
agagagtagt	tgatggagag	tgctagaaaa	ggcttaagtc	taccttctct	gtgtacaaga	38220
gttgagtttt	ctgctgagaa	agaatgagaa	ggtagaagaa	ttggaggaga	gaagtaatgc	38280
gtgtgaagcc	tgggggaaga	tgctatcaag	gcatggcagg	agctgagact	gtttgttgat	38340
gcatccctat	atagcccagc	atgttttcct	gccaccttca	gtgtttagcc	agtaggggtc	38400
caagaacaaa	gaaggcacac	tgtgagattg	gttacatgac	ttgcagttag	gacagtggag	38460
ttgggcagct	ggggaactgt	ggtgaaagtc	cataataaac	agggagggat	acaggcaggg	38520
ccaagagaaa	actaccaagc	cccacgggaag	cataggcact	ggccctatgc	tttcggcagc	38580
aggactttct	ctacacagag	atccttctcg	gttatcttgg	tactctgcac	ctcagtcagg	38640
cccagaatct	ctcacagag	tgtgacgagc	ctcacacggc	caatgtgctg	catggagtca	38700
ggcagggtcat	ctttcttctc	cctcatctgc	ctgggtagag	ttttgaaaaa	gtggctttta	38760
agagaatagc	cccaccttgc	cagtccctcg	ccacaggaaa	gcctgctgca	ctccgggttg	38820
aacagggaacg	catgcacagt	gacctctgga	ggaccagtgg	atztatgaga	ggctgtgatg	38880
tgccaaacca	caaagtgtgat	cgtaacctct	taatttcttc	tcctttgaaa	ggcagaggcc	38940
taaccaccta	tttacaaaac	tggatgaaca	tgcactgttt	cctctgaatt	ccatctgatt	39000
ccttaccacg	aatctagtag	aaagtgtatt	aaaaggactg	tcccttaaaa	attaaatgca	39060
tttctgctgc	cacagcttct	tcatgaaact	tgagggtctt	ggcatctgac	cagtgaggag	39120
agcaaaaacag	ttttgataac	caggacagct	acaggggtata	ctagtggatt	ttttttttcc	39180
agaggggttgc	caagaaaatc	tttcctttct	actgaaagta	ctaattgcta	tgggcatttt	39240


```

cttcaggcat gtgcagtctc agaaacaaag cagaacttac aaagctcttc tttgggaagc 46860
ttcataaggc cttgttggtt attctgtaat catagaagcc aagttatgaa tcttgtgagc 46920
tgaaagccag cctgggatac tcagaaaaac tgtctcaaag agaaatagaa atgagagagg 46980
aagcaggaag ggaggggagg ggaggggaaga tgagagaggg ggggagggga gagggagggg 47040
agagggagag ggcaggggag agggcagggg agaagggaga gggcagggga gaggggaggg 47100
gagggggaga ggagaggaga ggagaggaga ggagaggaga ggagaggaga ggagaggaga 47160
ggagaggaga agaagaagga agaggaggag gaggaagagg aagaagagga ggaggagaat 47220
aaataagaaa gaagaagagg agaaagaaac tgctggatta aagagatggc tctagaggta 47280
aaaatacttg ccatacaaac atgaggacct gaattcaaat cctcagaaac catataaagc 47340
caggtataat ggtgagtgtt tgctatccca gtgctcctac tttgagatgc agggcagggc 47400
agggcagggc agggcagagc agagagcatc cccagaagct ctgggccaac tgccttacct 47460
aacacagtaa cagacaacag aaaaggcctc tgtgcactgt gacaggagtg acaacataca 47520
ctcaaataca catacatgca cacatgcata tatgcacagt atatggagtc atcagagagg 47580
gacacaccag taaagttcat gccattcaa aaaagggaaa agggcagagc agagagctgg 47640
ctgtctcttc tctgacatgt ggaagatgct gctgagcagc tgctatgttg gagctgtgga 47700
aacagtcctc accaggactg aactggctgg cacttgatct ggaactttta gccttcagaa 47760
ctatgggaaa taaatttcta tggcttaagc cacttggttt gtggtatttt gttatagcac 47820
cccggacaga ctaacacagt atcagatgaa ctttgtaaat caggttacat aaaaactcac 47880
tgagaataga acttttagcc aggcagtact ttttaatgta tactggccat tttagaaagta 47940
ctgacttaat atgctgatct ctaactgtgg gcacatttca atatatagta ttctaaaaac 48000
cacattgtta tcgtcattgc tattcttact agcccaacct tttcagtatt aggaagccca 48060
caagttcatg tatcagatgc aagatttcta gaattcctaat cttgtaaaag ttttaattgt 48120
atcatgagtg ataaacaatg tcatttgttt ccttgaagca ctaaatacca aagtctaaat 48180
aagcatgggt tccaggtcag gtgttccttg agataaaaaat ggtatttttg aaagaataact 48240
atatctatca gttcagctca cagctagcta tgtgcacact tttcctccaa aggtcatcct 48300
ctgcctcatg aagaatagtg acaaagataa gtacttggag ttgagacata gaaagtaatg 48360
gcttttactt gtcccatgag aacattctag ctctctcttc cctgccagtg tatggtgagg 48420
aagtagtggt accactgtgt cctatgcagg tgaaacattt tacctgccag accactagac 48480
cagtgctgtg aatggtaata tacaaagcag actgtgtaac gccctggact atggctaaaa 48540
acattttgga ccacataggg tactgaatgg ggctcgagga ctccaagag tccatgagcc 48600
atattttaga gatgaactcc tatttaatca aacaaaccaa aacaagacaa atatgaatct 48660
gttagaggaa aaggcttcac aaggaatgca gcgacacttc ctctttctat tgccacagaa 48720
gcgcctggat acaggaggtt caaagagttc tgagccagct gtagcctggg ttgcatagtg 48780
agcactaggt cagtcaaagt tacataccaa gacctgtct cataaaaaat aataaaacaa 48840
aacagaaaaa tagtattaga atgatatgtg ctttaattag aaaaaattca actatatgta 48900
gtataaggaa aacatcacaa taagcccca tcctgttttc ccagattcag tactgtcaag 48960
ggttcattct ctgttaagac tatagtattt taaaacaaac cacagacatg tcatttcact 49020
catgtgtgtt ttgatatgta actaaaaatc tgggcatttt cttatataac cacaatgtcc 49080
tcagcatacc taacaatgag ggctgggtatc aggatgccat ccaaaaccta gtccctaata 49140
tatttccttg gttctcgcca attgattggg ccaaactggg atcaaataaa gctgtacaca 49200
ttacatttgg tttttatagc tcttaattat ctggtaaaaa gtttcttttc aagctctaag 49260
aggcaaacat tatctgaact acagagaggg agctatgagt gcagggtgcc agcagccata 49320
atctggggga ggtggaggca ggcttagggg tggtgaatgg aaaaagacca gaaggaaata 49380
acacaaaaat ccagccgtgg ctgtattttg gatagtaaga ctgtgagtaa ttttttctat 49440
ttttttctat cttctaattg tttataaaaa tatgaataac ttttatattt ttataaact 49500
tattttttta aaaaaataact aaaaaatgac taaagaaaag aaaagcccat agaattatcc 49560
tacctcaagt caatagaaaa gaacactgtg tctgaatttg ctaccagggg cagacctgag 49620
aaattaaaga tgctgatct aatgtgcttc tagaatatgg gggtcataaa agaaacacta 49680
ggaaaatgtg aactccaaca ttcactggcc tttgaagttt cttttgaaag caggtatatg 49740
gaaccagac cttctgctca atgagggcta gaagacaggt gtaaaagagg catgggtctg 49800
caaggggtgt gagccttcct ccaaaccaca ccagatagga agtatgaggg ctggtactgt 49860
agacagggtt gtggggcaag gccactgac cacactcttc attctgtggg gaccagacc 49920
cagtgaccac atgagcgata gatcatttgg taagcctggg gatgaggtaa catctctcct 49980
tcacagtcaa gatgcccg 49999

```

<210> 11

<211> 49999

<212> DNA

<213> Mus musculus

<400> 11

aatgaaaggt tcagtaccac actctaggtc caagggtga cagtctagga cactagagtg 60

agaagcctaa	actaagcttg	agaccaggtg	ggagggtcagg	gtgccataga	aggccctgga	120
agcaagagcc	caggtgaatg	aagaagagca	tgtccaaagc	ttgtgtggct	gaaaccccag	180
gtttagtttg	caggttgtga	gggcttatct	tggtatagag	gcaaaagggt	ggaaggagtg	240
gtaccggagt	ggacaaagct	ttgcaatctt	ccttaggcta	ctacaatatc	ctgctttctg	300
aggcaaggcac	tgtctgctat	gagaatgctg	ccccagtgta	ttttgtgatt	gttgttgggt	360
ttttttaatg	tgggtatfff	cagcacctgc	aagaacattt	ctgcatccct	ggagctagt	420
ctgatggcac	tctcctttca	catcagcact	tctctctect	tttctccatc	cttccctgct	480
tttcatcagt	aaaaatgctc	ccattgcaac	ctgaaaataa	gccccgtctc	tctggatctg	540
cttactgccc	tctcacacat	ctgtcacatt	gagcaagtca	aagctgttca	gctgtgcctc	600
tccctcagagg	ggaagcctct	tctctctagt	acagtgacta	ccttaatccc	agtccacttt	660
gtcttattct	ggggccttct	agaataaggc	cattattggt	tccccattag	aagctgaatc	720
taattccttt	atataatttc	ttcatctect	ctggccacat	gtcctgatta	accccaaaag	780
tccaatcttt	ttttttaata	tttttattat	tatgtatttt	cctcaattac	ataattagaa	840
tgctatccca	aaagtccctc	aaacctcccc	ccccacttcc	ctaccacccc	attcccattt	900
tttggccctg	gcgttccccc	gtactggggc	atataaagtt	tgcaagtcca	atggggcctct	960
ctttccagtg	atggccgact	aggccatctt	ttgatacata	tgcaagctaga	gtcaagagct	1020
ccgggggtact	gggttagttca	taatgttggt	gcacctacag	gggtgcagat	ctctctagct	1080
ctctcattgg	ggggcctgtg	ctccatccaa	tactgtactg	tgagcatcca	cttatgtggt	1140
tgtcaggccc	cgccctagtc	tcacaagaga	cagctatata	agggtccttt	cagcaaacgc	1200
ttgctagtgt	atgcaatggt	gtcatcattt	ggaggctaata	tatgggatgg	atccccggat	1260
atggcagctc	ctagatggtc	catccttttg	tctcagctcc	aaactttgtc	tctgtaactc	1320
cttccatggg	tgattgtttc	caattctaag	aaggggcaaa	gtgtccatac	tttggctctc	1380
gttcttcttc	agtttcgtgt	gttttgcaaa	ttgtatctta	tatcttgggt	atactaagtt	1440
tctgggctaa	taccacttta	tcagtgaagta	catatcattt	gagttccttt	gtgatttgtgt	1500
tacctcactc	aggatgatgc	ccctccagggt	ccatccattt	gcctaggaat	ttcataaatt	1560
cattcttttt	aatagctgag	tagtactcca	ttgtgtaaat	gtaccacatt	tttttgtatc	1620
tattcctctg	ttgaggagca	tctgggttct	tccagctctc	tggaatttat	aaataaggct	1680
gctatgaaca	tagtggagca	tgtgtccttc	ttactgggtg	ggacatcttc	tggatatatg	1740
tccaggagag	gtattgaagc	atgacttacg	gaaaccagct	ctccccctgc	atagccatct	1800
gtcaccacca	tgctcagcc	ctcatcttct	gttcttgcta	ctgagggggt	ctttaagcct	1860
aacagggact	tgtcactgaa	actccataca	tacttgggtc	cttccctgaa	gacccttccct	1920
ctcagatctg	cgagcaggaa	gcattgtatat	cccttgtgat	ccagctaaaa	tgccatttct	1980
tccaggatca	agtcagaaac	ctcacactga	aaccaagcc	ttgtgatggt	cttagtggtg	2040
acattcttat	tcacgtagta	aatattgaat	ggattttggt	gcactcagat	accatacaag	2100
gtattgaaaa	tctcagacat	ttccccatcc	agacagaagt	ccatctttcc	tagttgtagt	2160
tgctattctc	ccctttcccc	tggctgcattg	ttttaaatft	cttacagttaa	aggcatattg	2220
caacttaaaa	gcaaaagtca	ttttgagaca	ttttcgctg	ttttttaata	agtagatgag	2280
atattggagt	gcatttgtag	gctgagtga	agacagacaa	agtgaggaag	gagtcacagt	2340
ttgggagcct	ggtaaaagaag	gactcagcct	atgagagcaa	tgagttccca	caggacaagg	2400
gtcagctctt	ctctacctt	gactagaata	aagggagggg	ctgggaatgg	ggctcagtag	2460
accatgggaa	gggtattcga	tgctccctgt	caggttcccc	aggggtaaat	gtcattttcc	2520
ctgcactcca	gggccagttc	tgttccattc	tgttctcctg	ccagactctt	tttttttttt	2580
ttacagtttt	ttttaattag	gtattttctt	catttacatt	tcaaagtcta	tcccaaaaaga	2640
ccccccatac	cctcccccct	attccccctac	ccaccactc	ccacttcttg	gcccctgggt	2700
tcccttgtac	tggggcatat	aaagtttgca	agacctatgg	gcctctcttc	ccaatgatgg	2760
ccgactaggt	catcttctga	aacatatgca	gctagagaca	cgagctctgg	aggtagtggt	2820
tagttcataat	tgttgttcca	cctatagggt	tgcagacacc	tttagctcct	tgagtacttc	2880
ctctagctcc	tccattgggg	gccctgtggt	ccatccaata	gctgactatg	agcatccact	2940
tctgtgtttg	ccaggcatcg	catagcctca	caagagacag	ctgtatcagg	gtcctttcag	3000
caaaatcttg	ctgggtgatg	caatgggtgtc	agcattttgga	ggctgattat	gggatggatc	3060
cccgggtatt	cctgccagac	tcttaagccc	ggaccagagt	tttacgtctt	cctcatagtt	3120
cagtgccttc	taccagaaaa	acactttgcc	ttggttttca	ctgttctggt	tattcctggt	3180
gcttagtgag	atgggtggcc	ccaaataaagc	atgtgcattc	cagcagcca	ccccaatcct	3240
atgaacttgc	atgctgggag	tgttggaagt	tctcaggtag	ccctgccatg	cttccccaca	3300
gagctgctct	tcatcttctt	aatgaacctt	gtggactttc	ataccattaa	cctgccagat	3360
gccaccactg	aaaagcttgt	attcttctctg	ggctactgtg	gtccaaagca	agactcccac	3420
agtgccatgt	agcttaaggc	tttcgctaaa	agcagtgtcta	gggtgctgtg	ttcataccta	3480
ggcaccctac	taaatacctg	agaaactcca	ggaggaagta	gcttcaaagc	ctagttctga	3540
gaatcagaaa	ttgttcccat	aatctctcct	cttagtcact	acaaggggca	gagcctagct	3600
gtttttattc	aggactgtcg	gtgggaacct	tgtagcaagg	gagggatgga	aggagctgct	3660
gttccatate	cctcaagctc	cagttttcca	ctgaagacac	cagccagcta	gatggcttcc	3720
ctaaggctcac	atcagaggag	caaccggaaact	cagttgtgaa	gcagtgaagc	ttgaggatga	3780
aaagcagaat	ccaaaatgaa	acattttcaa	qatatgaaat	qaggtgtttg	tttcagtaa	3840

cagcagaaaa	ggttatggtg	tggagtgtct	tttcaaggac	aaggggcttt	atgagctggc	3900
ttacaatgga	cctgttcaaa	ggaaggctgg	ggtactaggt	tcaccaggca	gaaggatatct	3960
gtgatgtttc	ctggatccag	aattccccc	ccccccaccc	ccactgctac	ttcccacatt	4020
ctccttcttt	ctccctcccc	tcctccagtt	tcctttctgt	acagagagat	gagtcccaaa	4080
catgagcctt	taatggggga	cttttgggat	agcactggaa	atgtaaacga	ggaaaatacc	4140
taataaaaaa	tatttaaaaa	aaaaagatgc	ctcctgccag	tcttgaggac	agtggaaacac	4200
tttgaagatt	atacctgctt	gagtaccttt	accactgtt	acgggaacac	aattcctatc	4260
tcctggccac	agctagagtt	tcggctccct	ctagcccaat	ggttctcagc	cttcctgatg	4320
ctgcaaccct	ttgatacagt	tcctcatgtt	gaggtgaccc	ccaaccataa	aattatttca	4380
tagctacttc	ataactataa	ctttgggtgct	gttataaacc	ctaattgttag	caaccaacat	4440
acaggatgtc	tgatataatc	ccaaaggggt	tgcaaccac	agattgaaaa	cccctgatct	4500
agatgctgta	tgtggcaaa	atgttggtttc	ctctgcttcc	ttgtctttgg	tttagaagct	4560
tacatagctg	tcatacagatc	aggatgggaa	aggaccta	ctctcttgag	actgaaggac	4620
aagccagtga	gtgataagat	tgtatagtta	attccagett	cttctctatg	cagactctac	4680
catgtgcaca	aactgactta	gaacccaaac	aggctggcta	acttggaa	agccaacctg	4740
tgttgctggg	cttctaaggc	actggctcct	tcccagccac	tgggtggtctt	gacacagcaa	4800
gagcaagcct	gtgagatgaa	aggagctgct	gctgggtggga	ggcagccttg	ccacagtttc	4860
attctgccc	gctgtctttc	tcttggtgtc	agtctcattc	tgtcacctca	ggcctcagtt	4920
gagagagggc	ctaatagaagg	aggaccccca	accctgcccc	ctgcttatat	gaagccaccc	4980
catagtttct	gactagtttag	tcacaggtca	ttccataagg	aatcagcttt	ccttccatca	5040
agcaacctcc	tgccctttgc	tgtccccgcc	tctccacctc	tgcccaagtc	attttcagac	5100
actttgttct	tgacaccttt	tactgtcctt	ttggccagga	tggctgggat	ggccaggacg	5160
gccatgttgg	ctgggatagc	catgttgacc	agactagcct	tgccttcata	gctttaagaa	5220
gcagcagcaa	tctgctgccc	ccaggcacca	ccaccactcc	agacagcctg	cttttgttcc	5280
agtccagaaa	gtgcttcttt	ctgctctcca	ggctttttga	actaaaagtt	ctgtatgagg	5340
aagcccagag	gttcagaact	catttcacat	ctagtatttt	aaaattttaa	attagctcta	5400
ttagtgtttt	tttgaaccaa	atatgtctca	atgagttaat	atttttcaga	gaataatttt	5460
taaaaagttc	atggaatagg	acggaggtcc	aaaggtttct	tcacgccttt	atatctataa	5520
attgtagaaa	tgaggatata	ttgtagaaat	atatttgagg	tatatatttg	ttctcatcat	5580
ctacgttacg	accttccgct	aaaaagaaaa	aagtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	5640
gtgtgtgtgt	gtgtgtgtgc	gcgcacacac	acatccacat	gaatccacta	tatatatata	5700
tatttttttt	actctgaacc	ttcagggtatg	gacctaagag	tttgcatgat	tcttgagtat	5760
ttcccacctg	attgcccagc	ttcccctgg	gtgtcaaagt	gatgctcaaa	ggctgtgtac	5820
ctgaggctgg	gaccagcagc	actgagtagg	tcaggagggg	atacctcctt	agataatggg	5880
tttctcagcc	atgtgtcttc	agtctgtgga	gagactgtgc	ttaaagctgac	attctgaaca	5940
gtggcacc	acagtatgtg	ctagaatcct	gtgtagagtt	cagtgtggcc	tgaatcctgt	6000
ggttatgcaa	aggaggcagg	acacgatctc	ctcaggggta	ctgtccatgt	gttccctcct	6060
cctttttttt	ttctaccttt	tccatgaaaa	gccctttgtc	ttctgccact	ggctctgggt	6120
atggacttgg	tgttgatgtg	agtacagttt	tcagattgga	aattaatgag	gtgttccatt	6180
gagagaagcc	tgacttctac	cctggctggc	tgtcccagg	tttccctccat	gtgggtcttt	6240
gctgctttct	ctgtgggcag	ctgcccttgg	ctggcattct	tctattggct	ttccccagag	6300
gtactttcaa	gactgctttc	ccaggctaga	aactattcta	gtacatgtca	gctgtgcctc	6360
ccacaagtcc	caagccatgg	taaagccaga	cagccttggc	tgagaaggga	agttcgaaaa	6420
ggctctcctt	tgtatgtttg	tgaagaaggg	atgaagggca	aaagaggga	ggaaatcagg	6480
taaagatgct	atggaaacca	gcacctaaag	tagaaagttt	ggtagtgtcc	atgtgggcat	6540
tggaagaaag	ctgtcttgac	aaagaagaaa	caaagaagca	gaggtacct	ttaggtagaa	6600
caggtgcttc	taataagata	gtgtactatt	agtaggcatg	tagccaggct	ctgggtagga	6660
atagtaggca	acatagggtg	acacatggct	gctagtcagg	gctcaacaat	cagaggggac	6720
taaggaagca	actgatgtgt	agagccaaga	catgtgggca	tgtaggcaga	agaacatcta	6780
agagctttgt	acagcttact	gtaaaggttt	gtgcataaaa	cttagaatgc	tctgagcact	6840
catcagattc	tacagctgtt	cttgctccaa	ctttgtacag	cagaaatctg	ctaatttgtgt	6900
agtagttacc	ttcacttgag	tgtcatgtac	taggaaggag	gatgcaggcc	acaggaggac	6960
agatatcaag	acctgagtgt	ggggaggagt	tcactagcta	gctcactggg	aggtgtagga	7020
atgaaaaggg	tggcacacaa	tgtaaagctgc	caccatctgt	cagcaggctg	aaaacagact	7080
gcctaacaca	catgtacaca	ggactgagct	gagggagaa	tcatttgagg	agaaaattaa	7140
gaaaagaaag	aagcatagtg	tcacacttc	agtcttcatt	tttcttgagt	ttcatgtgtt	7200
taggaaattg	tatcttatat	cttgggtatc	ctaggttttg	ggctaataatc	cacttatcag	7260
tgagtacata	ttgtgtgagt	tcctttgtga	atgtgttacc	tcactcagga	tgatgccctc	7320
caggtccatc	catttggtcta	ggaatttcat	aaattcattc	tttttaatatg	ctgagtagta	7380
ctccattgtg	tagatgtacc	acattttctg	tatccattcc	tctgttgagg	ggcatctggg	7440
ttctttccag	cttctggcta	ttataaataa	ggctgctatg	aacatagtgg	agcatgtgtc	7500
cttcttacc	gttggggcat	cttctggata	tatgcccagg	agaggatttg	ctggatcctc	7560
cggtagtact	atgtccaatt	ttctgaggaa	ccgccagacg	gatttccaga	gtgggtgtac	7620

aagcctgcaa	tcccaccaac	aatggaggag	tgttcttatt	tctccacatc	cacgccagca	7680
tctgctgtca	cctgaatttt	tgatcttaga	cattctgact	agtgtgaggt	ggaatctcag	7740
ggttgttttg	atttgcattt	cctgatgat	taaggatgtt	gaacattttt	tcaggtgctt	7800
ctctgccatt	cggtattcct	caggtgagaa	ttctttgttc	agttctgagc	cccatttttt	7860
aatgggggta	tttgattttc	tgaagtcac	cttcttgagt	tctttatata	tgttggatat	7920
tagtccctca	tctaatttag	gataggtaaa	gatcctttcc	caatctgttg	gtggctctct	7980
tgtcttattg	acgggtgtct	ttgccttgca	gaaacttttg	agtttcat	ggccccattt	8040
gtcaattctc	gatctttacg	cacaagccat	tgtctttctg	ttcaggaatt	tttccctgt	8100
gccatattct	tcaaggcttt	tccccattt	ctctctata	agtttcagt	tctctggttt	8160
taagtgaagt	tctttgatcc	atttagattt	gacctagtgt	ggacactatg	ccctcctta	8220
gaagtgggaa	caaaacaccc	ttggaaggag	ttacagagac	aaagtttgga	gctgagatga	8280
aaggatggac	catgtagaga	ctgccttatc	cagggatcca	ccccataatc	agcatccaaa	8340
cgctgacacc	attgcatacg	ctagcaagat	tttatcgaaa	ggaccagat	gtagctgtct	8400
cttgtgagac	tatgccgggg	cctagcaaac	acagaagtgg	atgccacag	tcagctaattg	8460
gatggatcac	agggctccca	atggaggagc	tagagaaagt	acccaaggag	ctaaagggat	8520
ctgcaaccct	ataggtggat	caacattatg	aactaaccag	tccccggag	ctcttgactc	8580
tagctgcata	tgtatcaaaa	gatggcctag	tcggccatca	ctggaagag	agggccattg	8640
gacacacaaa	ctttatatgc	cccagaacag	gggaacgcca	ggggcaaaaa	gggggagtgg	8700
gcgggtaggg	gagtgggggg	gggtgggtat	gggggacttt	tggtagagca	ttggaaatgt	8760
aaatggagcta	aataccta	aaaaaatgga	agggaaaaaa	aaaaaagaaa	agaaagaagc	8820
tacgtctcta	gagaaaactt	tttttttttt	tttttttttt	ttttggtttt	tcaagacagg	8880
gtttctctgt	gtatagtctt	ggctgtcctg	gaactcactc	tgtagaccag	gccggcctat	8940
gcctccaac	tgtctgggatt	aaaggcatgc	gtcaccactg	cccggccagg	ggaaactttg	9000
agaccacaag	aatgaagagg	tcagagccat	tttccttatg	aaggaggctg	aggctccatt	9060
caggaattgt	gggtatgtct	ggatctcaag	cctggctact	tggatggctt	cttgtagaga	9120
cctttagctg	catctgtctc	caaactgtct	cccaaccctt	ggaacgggct	ctgaagctgt	9180
ccttgccat	agcatgcaag	gccttgtgag	taccaggtat	gaggctgtat	tgttagagaa	9240
gacgtatctc	catagagtct	cttgttattt	gcaataggga	tcattcttgg	aataatccga	9300
aaagttagagt	ttaagaaatt	ttgaagaaaa	aaaaatctaa	tattacagat	tccagacttg	9360
ttatatagaa	gaagaagaag	aggaggagga	ggaggaggag	gaggaagaag	aggaagaaga	9420
agaggaagaa	gaagaggaag	aagaagagga	agaagaagag	gaagaagaag	aagaagaaga	9480
agaagaagaa	gaagaagaag	aagaagaaga	agaagaagaa	gaagaagaag	aagaagaaga	9540
agaagaagaa	gacgaggagg	aggaggagga	ggaggggggg	gggaagagga	agaaagaaga	9600
agaaggagac	ggagagaaga	agaaggagaa	ggaaaaagag	aagaagaaga	aggagaagga	9660
gaaagagaag	gagaagaagg	aggaggagga	gaaggagaag	aagaagaaga	agagaagaa	9720
gaagaagaag	aagaagaaga	ggaggaggag	gaggaggagg	aggaggagga	ggaggaggag	9780
gaagaaaagt	gaacagtagg	gattggagag	atggttcagt	ggttaagagc	actgactgct	9840
cttctggagg	tcttgagttg	aattcccagc	aaccacatga	tagctcacia	ccacttgtaa	9900
tgggatccga	tgccctcttc	tgggtgtgtc	gaagacagct	atagtgtact	tgtattaata	9960
aaaataaata	aatctttttt	aaaatttttt	ttaaaataat	gtgaacagta	actgctgttc	10020
tccaagtgcc	cctgttgtca	tttttaaaaa	gccatagttc	tttctttcat	ggagggtgat	10080
caatcacaa	ggtcactgca	tacatctagg	atagaagctg	tgttacatag	attcgggtgtg	10140
tggagagttg	ctgagttcct	ctctttcctt	ctttctcaaa	ggtatcagcc	aggcgtcata	10200
gtcccatctc	gtgtctcagg	cagctatcct	atcttctctt	ccctctttgt	gacattgatg	10260
accattcatc	caaacaaatg	gaaacacttc	ccatgggcca	ttcagtgcaa	gtcttccacg	10320
tggccttgct	ttgtgctggg	gaagagtgt	gacctcagct	gtctcttgaa	ttctgtctagg	10380
gcctggtagt	ctaaactgcc	agaaggcagc	aacctctgca	ttttgttcat	ccatgtggca	10440
ccagtcagtg	ttgagagaga	gagagaggag	agagagagag	attaagtaca	gtctgtcttt	10500
gcagatcctt	gaagagtgg	ttggccgcac	tatcatccgt	tcttgacca	aactgagcta	10560
cgaccatgcc	cagagcatga	tcgaaaatcc	aactgagaag	atccctgagg	aagagcttcc	10620
cccaatttct	ccagagcaca	gcgtcgagga	ggtgcaccag	gcagctctga	acctgcacag	10680
cattgcaaag	caactccgcc	gccagcgtt	tgtagatggc	gactccgtt	tagatcaggt	10740
cagtgagtct	cttttgtttt	atgtggtctt	gagtttggct	tgtgccccaa	actcaagggt	10800
gagaaatctc	ctggtggcct	ctttctctcc	acctatttcc	cctgccccctg	ccacaccatg	10860
gtaatatgag	ttagggttaag	atggtatctg	tgtacagagt	tctgtgactc	ccagctgtct	10920
ttacctggaa	aacctgtgtc	catgattgaa	ttctcacttg	tagatggcat	tgtgtgaca	10980
ggtccctggg	acaaagaagg	gaggaaggac	atattttttg	cttgtggttt	cagaggctct	11040
tggaacatag	ctctgttgtt	tctggcccat	agttgggggc	gggggggtggc	atgtgagaag	11100</

atggatgagt	ttctagattc	agccaaacca	ccaaaattaa	acaaaaaaga	agtcaacaac	11460
ctaaacagac	ccataacaaa	taagattgaa	acagtaaaaa	caaaacaaaa	caacaaaaaa	11520
cttccagcta	caaagaaaaa	tctagggcca	gatggattca	caggaaaatt	ttaccagatg	11580
ttcaaagaag	atctgcaccg	agttgtcctt	aaactattca	aaaagtagag	gcagagggag	11640
cactcccagg	tctcctctgt	gaagccttta	tgtcaccagt	tctctccgct	catggagatt	11700
acttctctctg	ctccttgctt	catgcttggt	gtcctgaggc	tgcagcccac	catcctgtca	11760
tctccacca	cagtcctctc	ctgattccaa	gaggctaagt	tgatgcta	gacaccagaa	11820
cttgtgtctg	acctttctcc	ctcactcaag	cctagcttct	ttacctgcct	tatctgcctg	11880
actgcccttc	agcagcacag	tggtgtcac	tcacctctcc	ttctgcagaa	agcagtgtt	11940
gatgccaca	gcatggcaca	caggcttccc	agcatcctct	tctcccactg	atacactgga	12000
gcattatata	tgtgccccca	acccaagtgt	accagtcgca	cagatttttg	taattatgct	12060
tagactaaac	attagacaga	cagatcatat	acaactctca	aaagggaagct	gtttattctg	12120
taaacacatc	catgttttag	aaagacaagt	cttcagaatg	tctttaggaa	gactgaagtc	12180
actttacaaa	tgaaccgtgg	ggcttaggaa	agtctttaga	aaatgaattg	ggtttagttt	12240
tctcaaaaag	actaggaatc	tatgatgttg	gcacctataa	tctcatctct	caggaagcca	12300
aaacaggaag	attgaaagt	caaggccata	taagatgtat	gtcaagatca	tgtggcaagg	12360
aagaataaga	ggaggaagca	gaggaggagg	aagaggaaga	ggaggaagag	gaggaagagg	12420
aggaggaaga	ggaaggagga	ggaggaagga	aggtggagag	aaaggcaata	aaaagaataa	12480
atthagtttt	ctctcactct	gtagctcagg	ttgaacttga	actcatggct	agccccctgc	12540
ctcagcttcc	caaagtgtag	gattataggt	gtgagccacc	aaaccagata	ctaacttgta	12600
ttctttaagt	cttacttttt	ttcaaaaatg	gtttagaaac	atatactctat	gtaaattaa	12660
ttataataca	aaatgttagg	ttgtatatta	tgtatgcctt	ttctgcatga	ttctcttatt	12720
tacttaactt	ttacaatgaa	aaaccagctg	ttaccaagc	ccatcaa	aggaagt	12780
tgaagtacca	tttccagatg	tttccccact	aagatgctat	aataaaaattc	aactggatta	12840
attcatctgt	gaaactggag	ggagggggag	aaaatagcgg	caacttatct	ctgtcccatt	12900
ggaagagggtg	tggtcatcat	cgtaatgacc	atagattatt	gatggagaat	gagcagttag	12960
tatgtctgat	actcagaatt	gtattactga	aaagacttta	gatatactgta	ttccagtggtg	13020
cctcctaact	cataaatgag	aaggctgagg	ttcccacagg	tagatgggtt	gcttattgcc	13080
aggcatccaa	gtagctcttt	gtttgggttt	cctccattta	ttacactatg	ctgacataag	13140
agaaaaaagt	ttgcctttta	agtgaagggt	gaaaacaccc	tcaaaaacct	aattaggttc	13200
cagttaatta	aggtttga	gtaatgaatt	tgtatccttg	gagttgatcc	cttcattcgc	13260
cagaaaacaa	gtctgtagac	ccccacataa	gatggagaca	tcaatctttg	cagccaagga	13320
cactgggtgag	gccgtttata	aatcagctaa	atggctttat	tcagaagccc	tgcgtttgtt	13380
ctcccgtccc	tgttgccctt	tttgcctca	caagttcatt	tttcttgggt	gccttttcag	13440
tggcctgctg	tttgccattg	ttctctgaag	ctttgtctgc	catagttcac	tgtgtccatg	13500
ttttgggtgg	tagtccttta	aaaagcacat	ccttttatgt	cagcagcaat	tagagatcgg	13560
tcttcagcca	atccagaggc	tttgcccttc	caagaaatca	gtgtttgatg	accctgagaa	13620
tgagcaagga	tgaagtccga	ggcactaata	tggtgcttgt	ttgcagagtc	agagacacag	13680
gctcgataag	tgcagaatgg	cagagcaacg	tgtccaccga	gagctgattt	taacaaagt	13740
ttcttccaaa	agggtattct	cctttgcccc	aaaagcaaca	caggcttcca	aggctatcta	13800
gtgatttttg	gtcgtgagt	tgaatgatga	cccttctgag	tggtctgtct	ctgaatccat	13860
gttttcagct	accagggtag	ttcaaggact	tggtacagat	gaccacttta	attatttgtt	13920
tataatatat	gtctctccc	aatcttaaaa	gaggccataa	tggggccaag	acttctgtat	13980
ctgtagaaga	aaaggaatca	cagtgggtcc	taatatccat	atactgagtt	tgatgcaagg	14040
ggagccatct	gagggttttt	gtcctgact	agcacaggcc	agccctcagc	agctgccatc	14100
taggggggaa	gatagattctg	cctggcatgg	gtgtatttaa	aaccctgaaa	cccttttggg	14160
gttctaggtc	agctattgcc	ttcagaaaagg	atatgatgg	aaggtaatgg	ggtgccaac	14220
agatcctcaa	tataagacta	acattggctg	atgtcaggaa	actccacgcc	ctgctttctg	14280
aagctctctg	aacctgtttc	tcttcagcca	ggctaagact	tctatgtgaa	acaaactaga	14340
agtttgagca	gatcagacaa	gttctcccag	caggcagtta	aaactatgaa	ttcggagggc	14400
cttggaaagtc	aaatgaaaaa	aacctgagaa	aaattcatat	aaagtaaagg	aggctttact	14460
aagttctcag	ctctgtcatc	tctgaaacct	acttgacaca	gttttgaggc	ccaagctcca	14520
tgcagtttct	ttgtaaagg	agcctttcta	atggaagaca	cttttgaaata	ccctgggact	14580
caagctgtgt	gagtcgtgaa	tgtttgatcc	taacctagca	tagcctttca	atcagtggtg	14640
gcaggtcttc	ccaggaaagg	ccagacagta	aatgacatga	gtcctggtc	catatggtct	14700
gtctctgact	cagccctgcc	tgtaaatgtg	ctccaaatga	atgggggtag	ttgaagggtca	14760
ctaagacttg	gatttgatat	cattttcaca	gaccacaaaa	tattattctt	catttgatta	14820
tttttcaagt	atttaaaaa	gtaaaaatc	ttctttgtc	cccggccatg	caaagcaagt	14880
taaactgtgt	cccacacatc	actgacctg	cttaactgac	caacaagctt	ttcagcccta	14940
ttacccgcca	agccttgagc	agctcattac	cacttcccca	ggaagccagg	ctaggaaatg	15000
gagaacagtt	gggctaagt	acttctcagg	atggttccat	acaattaagt	aaattattct	15060
tttgattagt	accacgctta	gggggccagt	tggaggctgg	aagtaagagt	gactgacccc	15120
ccaacccag	cacagttctt	ttgcccttcc	caaggtccag	tccctttagc	ttgaagccaa	15180

agagtcagca	ctctctttac	tcctctgcag	gacctcagg	gtcagagcag	ccctccctct	15240
ccctccctct	agctccctct	tctccttccc	tcctctgggtc	ctctgaagggt	agagactact	15300
ccaggaagag	caggctatga	ggaagggtggg	tagcttctct	cctggctacc	tgtctgcagt	15360
gctaattaca	gcagagtgtt	ccttctctct	gccatagata	gctgcattct	ggatggctgc	15420
tgctcagtg	tgctctccga	tgacattgg	gtagctgtgg	agaatgggca	agcccttctg	15480
gttcccttta	gcttttagtg	ctgtgtcaac	tcaaagtaca	acatagtcca	aggcccaggc	15540
tctgagggtt	ttcattcaga	gagttcttca	ctcagcatag	cttcagagac	ctggttgggg	15600
agcccagtg	gtgtggaggg	ggtgagaatg	taaaagagga	atgagaagtt	tcagggtatg	15660
gaaggaggc	agtgaaccac	tagacagtaa	gaagcactgg	gtggaagtgc	ttgctgaact	15720
tgaaactgag	gaatgactcc	tgcccaaaac	cagtgtctcat	ccttagaacc	ctgaagaaat	15780
ccatgtgcct	gaagcatact	gtcttagtta	gggttttact	gctgtgaaca	gacacatga	15840
ccaaggcaag	tottataaaa	aacaacattt	aattggggct	ggcttacagg	ttcagagggt	15900
cagtcatta	tcatacaggt	gggagcatgg	cagtatccag	gcaggcatgg	cccaggaggc	15960
actgagagtt	ctatgtcttc	atccaaaggc	tgctagtggg	aaactgactt	ccaggcaact	16020
agggtgagga	tcttatactc	acacccacag	tgacacaccc	attccaacca	ggtcatacct	16080
attccaacaa	ggccacacct	tcagatgggtg	ccactccctg	gtccaaggat	atacaaaacca	16140
tcacacatac	caagagcttt	ctgtcctctc	tgatcttcag	aggacatcat	ttgtaactcc	16200
tgtctctttg	tgcttttcac	ttcctgtaat	atgtcacagg	agtcatttgt	gttgaccgaa	16260
aatccctctg	ttattttatca	tacacacaca	cacacacaca	cacacacaca	cacacacaca	16320
cacacacaca	cacacacaca	cacacacaca	gtagctctgc	gactctttag	ggtagtgaca	16380
gtggttcagt	gggtctctgc	tacttccagg	ccttccattt	aaatgtagac	agcacatggc	16440
ttcacttgga	tatttagcaa	ctcacttatt	tctctacttt	cctgcttatt	ttcatttgta	16500
gatccagctc	tctgtgacac	tcagacctgg	actctcaggg	gtagcaggaa	gggtggggag	16560
ctgcaccctt	caccacagag	aatcagaaca	cagcctacag	tgggtctctg	aaacctttcc	16620
tttgagagtg	acagatcagt	ttagttactg	tacattaatt	tcatatggaa	ttacagaaaa	16680
tagtcatact	tatgcacaca	tccttccttg	ttagatgaat	ttctctgggt	ggcttggttag	16740
taccatctgc	gctctcccta	tactcactct	ccctgtgaca	caacatagag	ccatttctcc	16800
cacttccaaa	aacttcagaa	aatcctgttt	accttggaag	ttgttatgaa	tgcagactga	16860
cacttgacca	gtggccattg	ctaggtgcct	cttgagttct	ctctccaaca	gcaggaaacac	16920
tgctcctaac	actgctccta	cagcagtggtg	aagcagatgt	cctaccctaa	gactgcatac	16980
caagtagagg	agaacatatg	gacttagcaa	aggaggccga	gggatctca	agcacgatgg	17040
ggagtggatg	ggagtgaagg	gcaaggacaa	cctgtctcaag	acagctgtgc	ccactgatga	17100
gcatgagaag	agccagaggc	agcttctcct	cctctgagct	gaggctgaga	ctggacactt	17160
gtgacacacg	gagggtgaaag	tggtctctgtc	taccccgaga	tggttttagat	gaaaggaggc	17220
aaaaaagtag	ccagagatag	agccacaccc	tctgcccagct	ggaacacttg	ggatgcttcc	17280
ccactcctcc	acctctgtcta	ttaccttgac	tggtgggtgt	ctttccaggc	aggatgtagt	17340
gaggcctgaa	ctggaactg	ctgcagtgg	tcaacaggcc	tgttcagaag	aacactgagt	17400
ctgctttcta	agtaactcta	gaaagcaagt	ttggctccta	gcccacctct	agaagctttt	17460
gcttgcttcc	tggttcactc	tgcatgttga	tgtctagcct	catttcttcc	aggccaaaaa	17520
aaaaagcatt	gcttcatgcc	tgctgtata	ttctctgggt	tcacctctct	ctggacctga	17580
agaatctgaa	tactgaaatc	ctctgcttgt	tccaagtggg	gctggctcgg	ccaacctctc	17640
ctctcagggt	gccatagccc	ttcatgccta	tctttgtcac	actgtccagt	tgtcttggtta	17700
ccccctctct	acctctgtct	cctcccctaa	gattcagttc	ctacagagca	aagaccacat	17760
gctattgac	ttcttatcct	cacttcctga	acagtgctgc	attttaacaa	gctgttttgt	17820
cagggtctct	taaacagtgc	atgcatgtcg	gtctttttaa	ataaggtaact	gctagtacaa	17880
gtggggagaa	tggaaaccaa	ggctgtagat	cagaatgttt	gcatgagaga	gttactatac	17940
agtgtgaacc	aaggctgccc	aagtaaacctg	gctgttactt	aattctttgc	cagggcaccc	18000
agcatgtaga	agagatgtgg	tgaggacttt	ctcagggtgga	gctgtcctga	taggcatgag	18060
gagtcagaag	gcttcagtat	gcttgggggtc	atcgacactt	cagaggttcc	ccctcagatt	18120
gggatgtccc	tgctggggat	gtcaggaagg	acactcccaa	agttccacca	gagaagagag	18180
atgctggtct	aaaaaggcaa	aaattacctc	ctcccagagc	tactcctctt	acctctggaa	18240
tggggcagaa	acaagttgga	taggaatggc	aacctctagt	ctttgcagga	tcctgagagg	18300
actccacccc	tacccccacc	tccgttttgg	tcagaatgga	aatggcggct	accagataaa	18360
gactttctat	tggtcttttg	ggctttttaa	gaagagaact	taaatacaac	ccagggtact	18420
caaacagaag	ttgtgcacct	tcccagggtta	cagtggaggg	gagggaaggc	tctcatgctg	18480
accagaagag	acaagaactt	ctgtgactta	aacagggtcat	ggctagaacc	ctcatttctc	18540
cagagatgag	attattttgt	cttatgacct	tgacagatgg	aatggaattt	ggcccttctg	18600
ggactttgcc	ttttgggtaa	ttgtactcag	ttaggcaacc	ctgggactct	ctttattcat	18660
aggacatact	gcatattctt	gccctgcccc	catgtcacac	tcacgtcaat	tgaatgtaag	18720
ccagacagct	acataagaag	catggaatgc	tttgacgttg	gtaaaacctg	cattggagaa	18780
agagaacctt	tgcagctgat	ccttagattt	caacctatgac	tgcttcttgg	gactggccca	18840
gttgatttca	gtttgtattc	ttcagtgcgc	tgggactctc	gtttcctagg	ccaaagctct	18900
tctgttctgt	tcattctaca	ctgagctcct	gcaaatgttc	ccttgctcct	caagaacctg	18960

cggttatcac	agaccaatgg	cagaaatgtc	tgggggacaa	catacaggtg	ttttatttta	19020
ccacacaagg	atatattaaa	aaaaaaagtt	agggtagtg	tggccacgc	ctttaattcc	19080
agcacttggg	aggcagaggc	agggtgattt	ctcagtttga	ggccagcctg	gtctacagag	19140
tgagttccag	gacagcccag	gttataaaga	gaaaccttgt	ctcagaaaaa	aaaaaattac	19200
taagctaggg	ctatatagct	tagctgttaa	gtgcttacc	aacaacatga	gaccttgggt	19260
tcaatctgct	gcacaacata	aactgtgtag	tggccacaca	cctgaaatcc	cagcactcat	19320
gaagtagaat	caggagaatc	agaagttcaa	agccagtttc	aaatacagag	aatctgagtc	19380
cagcttggag	tgcataaaac	cctgtctggg	aaagaaaaaa	aaaaaaaaaa	aaaagcagtg	19440
ttcccgta	catgaagcat	tctatcccca	agacaaagga	aatacacgat	gtgacaatat	19500
gaagtagggt	tctaatacat	ttttagttat	ttggggagtg	tgaagatatg	catcacagca	19560
cacaaatgac	gatcatagga	cagcttacag	cagtcagctt	tcttcttata	ccacatgggt	19620
ccgaagatgg	aactccagtt	gtcagacttg	gccgcaggcg	agtttatcca	ctgagcctct	19680
ctccggccat	gaagcagtta	ctttacgttg	actcgcttga	gcttggtggg	agcatgctta	19740
attattgctt	tgtcactttt	ggttgcctca	gagtagcttg	cgagaattac	tagactcaca	19800
cgtagacccc	agatgtcttc	tgccttctga	tgaggagcaa	gcgtgtgagt	aaggagggga	19860
agcaggtcac	agtccaagcc	gctcaagtct	gagctgcaaa	tccttcattg	tacagacggc	19920
tccgaatcag	aacacttcc	gttgctacag	tcaggacggg	tatagttttt	attgttataa	19980
atgacattgt	aattaatacc	cttacacaga	aagtgtaaaa	gtcacttaga	aatacaaa	20040
tcataaacta	ctaggttgaa	gaaaattgac	tttttctgtg	tcaattctta	agattaactt	20100
tgattatttt	attgtaaaa	gaatatatgt	tcatactgta	aacataattt	aataaacaag	20160
gaaaaagtag	ccattggcta	tgcctcacct	agtaataata	cttaatactg	ttcacttcag	20220
agcttttggc	tttctgggtg	ttttccagaa	gggtggacta	attgaggttt	accccatcag	20280
agaacagtgc	tatgctgtta	ctcttctcag	caaattcagt	ttgtggcttt	gctttaatct	20340
ttgttagtgt	aagtaacttg	gaagtgggtg	tccattgttt	gagttgcctt	ttttcctcct	20400
gtgtctctat	caactctcag	gcctgtcttt	gccaggtctg	tggaaagcag	atgctacatc	20460
ccatccctag	gactgccaac	agcatcagca	caggccctctg	ctctgatcaa	atacaaccac	20520
ctttttccct	atgaagatag	aattatatac	aataaagtc	accatcttta	gtgtataggt	20580
ccacaagctc	cacacataat	catatgtcta	ccatgggtcaa	aatacagaat	agttgcctca	20640
cccaataaagc	tccacatgtg	cccttcggta	ggcagactgt	ctcacttatc	ctcagtcctt	20700
agtaagccac	acatgagcac	atgcatacag	ggtacaaagg	tcaatttaag	gtaccattct	20760
tcaggtgccc	tctaccttgt	ttgttgaaac	cggatctttt	actgagaccc	agagtcacca	20820
attggctcgc	ctatctaaca	gtaagctcca	agtatcgccc	tgtctcctcc	tccccagcac	20880
tgggattaca	agcatgtgcc	accatgcctg	gcttttaaatg	tgggttctgg	agaccaaact	20940
tagatcctca	tgttgcacatg	gaaacatgtt	ccaactgagc	tatctcccta	ttctaatttt	21000
tgcccatttc	ttaggtgggt	cttttggttt	cctagtacta	agttttgagg	attcttttgc	21060
tatttttaaat	agaacctcta	ccaagttgtg	tgatactaca	agccatccag	ctcattcttt	21120
catcccttgt	cttattcttt	ctggctcttc	tttattccct	ttcttttgaa	aagaagtttt	21180
taattttgaa	gcagtccagt	ttaccaattg	tgtccttatg	ttatcaaata	taagattttt	21240
gttttgctgc	ttttgatggg	attattattt	attattatta	ttatttaagt	tatgtgagtg	21300
ctctatctgc	atgtatacct	gcatgccaga	agaaggcatc	agaactcatc	atagatgggt	21360
gtaagccacc	acgtgattgc	tgggaattga	atgagggacc	actagaagag	cagacagtg	21420
tcttaactgc	tgagccatct	ctctagtcct	attcattttt	ttttaaacag	tcttgctatg	21480
tagctcagac	tggcccca	ctcaagatcc	tcttgactca	gcttcccaag	tgctgagatt	21540
acaggttgt	tcctctaact	cctggcatga	gaaatcttta	actgacctag	aatcacagat	21600
tttcttctag	aagcttata	gcttcagaat	ttatttctac	tttctctctt	cctttataaa	21660
cacattccta	ggcccagaca	tttcttttgg	aaaaaagttc	caataacaga	actggacaca	21720
cctgagcaga	tgtagggtag	agtcagacct	gggagtcctg	ccaggcacag	taccctcctg	21780
gagccatctg	caaagaagtt	acctcaggag	tggcttgtaa	gcagatcttc	tctgggtttt	21840
aagacttggc	ataaaactga	aaagtgtatc	ttttgaatca	gggagcagaa	cgataagaga	21900
gaaatctctc	agctctctag	acaaatcctc	ttgactatca	cagagctgat	ggtgagcgga	21960
gccaaagca	actttgtcga	ttacatgcaa	acgcccgaag	cagtgactca	ctcaatcatg	22020
ctttaatctc	ataactcagt	ggctttaaaa	attacagtca	acaaggcagc	tcgtgggtta	22080
caactgccat	tggaaactag	ttttctctga	acagctggag	tgtaatgtgg	tgggaagaaa	22140
gcctgctgtg	ggtgagaggc	caaagactgt	ttgcctggga	aggatgtgca	actaacgttt	22200
gataaaaaatc	tgtgaaatga	ccacctcag	ccaatctaag	tagaggcctg	ccattttcat	22260
ccattgggaa	gtgcatcaca	gcaaaagcca	tcagaaagca	ctggtaagac	agtggcagtc	22320
ccattctatc	agacaagaca	gccctgactt	cagggaagtgt	caggagtcag	agtatgagta	22380
tggaaatatta	acagagcagg	cagaagattc	caattctagt	caaggagggc	cagtgagaga	22440
gaacagtttg	ggaatggctt	ctctgaacag	atccaggcag	atcagtgacg	tcatttgcta	22500
tgttctaaaa	tgtgtaggcc	tctgccatag	ctgtgtcacg	gaggatatat	aaacaggctg	22560
ttctttgagg	acctcattgg	gctgtcccca	ggcacaacaa	ttttcttaat	ttcaatgtag	22620
aagctgttac	ccacaggaga	gatggagtag	gactttgggt	tcagagccct	atctatagca	22680
gctttgttga	gacctaaactg	gaaaggctca	agataggaca	tcacacaagg	catttagaag	22740

cttgtagcac	tcatcagaca	tcagaccaga	cctgcacagga	agaaacagggt	gagttctcaag	22800
aggggttcac	aggatgtctca	cgagtttctg	cctgcacagc	atggggcatat	ggtattacca	22860
ggagaagcca	tctatctgcc	cataggggac	aagcagacat	cagttgggtg	atagggacat	22920
gaaaactttc	tggcccatct	ttatatctgt	tccagtga	gatgtgtgag	gtcctcacc	22980
ctgaaggctc	tatacttccc	tctcctgcta	gacagtctag	cgagactagg	aagcaacaca	23040
gaatctagat	gaggectctg	tgagctgccc	aggctccttag	gagtggagtg	gggcaggacc	23100
cgttacaaga	gtacaccccc	cgcccccgca	atgagcccag	ttgttcacta	tggggccggg	23160
aacatcaccc	agcaggccct	attggtcctg	gcctgctccc	ctccctcctt	acctcctcac	23220
tcactcttcc	cagctcgatc	tttctcgctt	gttagagaga	gaaaaaaagt	gaattcactc	23280
ccagtccttt	tgaaccccaa	tgtgtcagtg	atcgatgagg	ctgtattctc	taacttcaaa	23340
ggagaaaaac	taagttagtg	gaatactggc	cagggggagt	gaaaagtccc	agggagtagg	23400
agacacagga	gtgacccctg	catcatgagg	agcaccccc	atcccccccc	tgctggtgcc	23460
atgcagaagc	acagacaatg	ccactttcag	taaatcatga	cggatcctga	atgccagtt	23520
ttgtcctgtt	ttcaatgggc	tgtgggcata	ttgtctaaga	tatagcaagc	catttgtgct	23580
gggttcccag	ctactcaaag	gctcgacatt	tgagtgttct	ctcaattgta	taatagagcc	23640
tttgcatatg	tgatttgggg	ggaggggttt	ttcctccaga	tttccatagc	taatcatagt	23700
agaggtgacc	tcaagtgtag	tgcagaccat	tgtccctctt	cacccctgca	gatcttagca	23760
gtgctgagct	ttagggatat	tcaggcagca	cctaattcaa	tcacacatct	gacccctgcc	23820
tctttggcca	ctcctctgag	ctcagtagct	ccctggggtc	tcacacccca	caagcctgga	23880
tcctcaagag	ccctttgtact	gagtagaaag	tgtctcagac	ttcctccacc	ctatccagat	23940
tcctactccc	cccgccgtgaa	tttaagcaca	gagaatccag	tgctgcaggg	ccacttgttc	24000
tcacaaggct	gcacttgtgg	agatgacctg	gtgaagcacc	ctgtagacat	cccatgctaa	24060
agtcttgggg	acacagagaa	agaaaaccct	ggggtcattt	aagggctggt	gtgggtcattt	24120
acttaatcat	ctgtgaccag	caagggccct	gttttcagta	aagctcggaa	gcttccttgg	24180
ctcttttatca	atcataacaa	acagctagaa	tttattgaga	gccttctctt	tgccaagtgc	24240
ttctacttgc	taactttaac	ttcctccacc	ctcaagccct	ctacccattt	ttacagatga	24300
ggaaactgat	gctcaaggtt	gaggagtgtt	caaagagtac	acactggcca	ggattacgga	24360
accatcttct	gccactactg	ctcttctgtt	ttgtgatatg	gacgctgtgg	ttttatactc	24420
tacacagttt	aaaaatgggt	gaagtttctca	atttagggca	actttgaaag	gctaaagtgc	24480
tgtgtgagta	tagtttttat	aatgacaaaa	ttccagaaga	ggagactaag	tgaatagttg	24540
ctggatgtca	gagctaattg	tgctaggagg	gaggcccatg	tccctgggacc	gtctggtctg	24600
tctcaggggc	agtggcaact	gtgaggatcc	aaccatgtgt	gcagagtggc	cccaatatgg	24660
acacattgtg	acaatttctt	gagctataac	catgtaagat	gtaacctttg	gtggtaattg	24720
agtgataggg	acatgaaaa	tttctggcct	attattgttg	tttgtttgtt	tctattaatt	24780
ctcttaagta	cctcagaaaa	aaagtgtcac	ttaatctcat	tgtgtcaaga	tgaccagctc	24840
tcagatcaag	agccacattc	tgcccaagca	gttcacacca	tgcaatttca	ggacctagga	24900
gggaacagtg	cttagcagag	agaccagatt	ttaatgccag	tcagatgtaa	gctgagactc	24960
tctttccctt	tttatggaag	tgttaaaacta	agggttggat	gtttataccc	caatctcagg	25020
gctgtagtta	gggaccacga	gcaagtttct	caaattctgt	aaccttttca	gttccctagt	25080
gtcaggtagc	tatgtgaact	gtacccatct	ctagaagcca	gtaagagaat	ccagtagaac	25140
ctgatggcct	aaaattgatg	tccagggtct	acagagtaaa	gagagagagc	tgacttcagc	25200
aaattgtcct	ctgatattcta	cacatgtgtg	tacctgaaaa	cacacatccc	actaataaaa	25260
tatattaatg	taaacaaaaa	aattaaaaact	tttttaataa	aagaagagga	tctagcgaga	25320
acacactctg	ccaaaaaaca	aaaaaaattt	ttttttaagt	tacaggtagt	ggtgaactgc	25380
ctaaaaatg	tgctgagaac	taaaacttggg	tccctctggag	aaacagcaaa	ttctcttaac	25440
ccctgagcca	tctctccagt	cctagcctta	ccacactcgt	cacagaagat	atggtgagct	25500
cactctagac	gacttatttg	tagcatgagt	atctgtctag	tcccatgtct	aatcttcatg	25560
atgtaatcag	acctaccag	cagatagcaa	ggcagcagta	aatgctcttt	tttatttttt	25620
ctggacttgg	tcatttattt	cttcaactgt	attactttac	tgaagatttg	ggctggcact	25680
ggtgataaac	tgataggtat	accaggttgg	tctctgcctg	tatttgtttc	tctctatttg	25740
ctatgacaaa	acgccatgac	caagacaact	taaaaaaaa	gaaagcattt	aattgggctt	25800
atgggttccag	ggggctccag	tccctgacga	tggaagcaag	gcataagcatc	agcaacaagt	25860
agaatactcac	atcttgatcc	ataagcacia	ggcagagagc	acactgggaa	tagcaccagt	25920
cttttgaaac	ttcaaaaacct	gcctccagtg	acataccctt	tccaacaggc	cacaccccaa	25980
tccttcccaa	gccatttcac	caaccattca	aaatatattc	acaatatatg	agcctcatgg	26040
tgttctcatt	acctgagacc	actaaagggc	ttcgtatttc	ctatcacatg	gaatcctccc	26100
atcatgtctt	ttataactta	gagtaggcct	attccatgta	gactcctcta		

tggaaggcag	acattgaatg	gaaaagtaga	gctagcatgc	ctgtctctct	cactcattgt	26580
accacacctg	gacagggtat	gtaagggtag	cgcgccctca	accagccctc	agtcagccca	26640
tgactctgga	tgggccagtg	tggttagcca	ttcatggggg	ttgcatgtct	taaataaaaag	26700
ggcatggaag	gaagcctctt	tgcctatgat	cctcaacaag	gttcacatct	gaatgccatt	26760
tgctgttctc	tgtctgcttg	aacctagaga	aggagagggt	gtagcatggg	gctcttacat	26820
ggagatatgc	aagtgggaaa	tgcagacttt	agagccaggc	aggtttgcat	ctatatgcca	26880
gttgaccaag	tgtctgattg	ccttatttta	gccaaattac	tatacctacc	ctagcatcca	26940
tcttgaactc	ctttaaatag	tggcaatggg	aactggggcg	gtgacctctc	tggcaacatt	27000
ccagctgcac	aaggagcctg	tgactcctgc	ttctcctttt	agggctttat	ctgatcttgt	27060
ccttgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	taatctttgt	27120
ggggcttacc	caaagttggg	taagtccaaa	gttgggactt	ctgtattaga	actaggatgg	27180
ttgggacaag	ataatagctg	agcagataca	cagtggatat	agtgaacaga	actgtatact	27240
tgcatttgga	ctgcctaagc	cagtctagca	ggttgtttgt	gctgcttccc	tgcccaatca	27300
ccaatagaca	agtctactgg	agccaaggtc	tgactgggct	tctacctggc	aagacacatc	27360
tgccaaccca	gcatggccgt	ccttaggttg	ttgtttgggg	atttgaggaa	gggggtgagag	27420
tttattttgg	tatttgctta	tttggttaat	ttattagtat	tcttggttgg	ttgattgttg	27480
ttgttgttgt	ttttgaaaca	aggttttact	gtgtagccca	ggctggcctc	aaactctcct	27540
gcttcagctc	ccagagtgcc	agagtttagat	gcattgtaac	ccatcactag	tggaaagcct	27600
acttttgaag	agtgtagctc	aggttagagg	atgtaatgcc	ataggctgaa	gcagccctag	27660
agaccagtc	ccaagggaga	aggttggggc	taccatgtga	cagaggagct	gtgtcagcct	27720
ggccacctgt	gcagtgggtg	aagtactaca	agactccact	gaaatctgag	gcccaggtct	27780
gctgttatgt	ttcccaggga	ggcatgcaga	gaaaaagtgg	tttcccta	actgctcaag	27840
tttaaaacaa	acaacaacac	aaacaaaaaa	catggtggta	cttgcccttc	ataccagtac	27900
tcagacagca	gaggtaggtg	aatctctgt	agttcaaaag	tagcactatg	ttcaaggcct	27960
gccagggctg	catagtgaga	ccctgtctaa	aaaagaaaaa	tgaactgaa	ccctgaagtt	28020
gtagaaactg	ctcagatttc	agtgaagttc	tttggactaa	ctgaatgagc	ttgttccagc	28080
gccttatttt	ttctcatgtg	gagctggcac	atgagcaaga	ctatccccag	gctttgccac	28140
tcagagatca	ccattgtgga	taggtcatac	tgttggtctg	tgattttcct	cacttaattt	28200
tcacaacaat	ctcagaagtg	ctgtcattat	ctcctataat	tcttcagagt	cagaaaaatga	28260
ggtacaaaaga	ggtaaaaaga	ggaagatcac	ctaactatta	ggaagtaaaa	ctgggatcca	28320
aagatgggtg	accttttctt	ctagtgtaat	ttgccttctg	acgttgtaag	gccagggcac	28380
agcaaaggag	acagaagcag	aagtgtgagc	ccttagaatg	ctaaaaagaa	aaagaaagtt	28440
agagtgggga	aagatctaga	ctagaacagt	tagacttggt	ctgtcttctg	aattctagct	28500
ttggagcccc	cgcaaagact	gcattgttata	tacagcatag	agttaaaag	agcacaggtt	28560
tctgctttaag	aaagaattgt	agcttacttc	attaacattc	aaatagatat	atagcttctt	28620
tttatatttc	acacttattt	atcttgtgtg	catgtatatg	tgagtatata	cacatgccaa	28680
ctgcacacat	gtggagatca	aagagcagtt	tatggaaatc	agttctctcc	tcctaccatg	28740
taagaccctg	ggatcaaagt	cagatcatca	ggcatcagca	ggagccttct	cgctgggtct	28800
catatgcagt	ttcctaaaga	acaaggttat	ccaagggctc	tctcaccaca	ggtgatcaca	28860
gttacatcac	agttagcaag	gccagaagaa	tgcaaagaat	gtcttttatt	ccttcctgga	28920
gcctggctcc	tgccctccta	aacttcttaa	atthttgtta	atatthtcat	ctcttctaag	28980
atgtaagtac	ttgtgatgtc	tttaaatct	acaacaccca	tggtgtccct	ggtttacact	29040
acaagtaggg	cagcatctct	taaataatgt	tgthctagaa	ggaagagagc	tcagatacaa	29100
gtagcaacct	ggataggaat	agcaattcca	gctattggat	actcactgga	tatagttcta	29160
aacagtctaa	tcagcagttg	tgtgatcagt	gggcacttag	ggctgaatgg	tagaagagta	29220
gctctcatgc	caggaaatgc	accaaaactc	ccagagcaag	cacagacaat	ggaggagaga	29280
cagggtggctt	gccccaaagc	cccccaggag	cctaagatgg	caatattgtc	gttttgaaata	29340
cattgtgcag	gcacttggcc	tctggggagg	aggaaaacaa	ttagcttagc	atcaaatcat	29400
gaactctgac	aactgctcta	tcttatataa	gatctcctta	cataaggatg	cagagagagc	29460
atcctcatta	aaacacctca	aggggttcat	actgattttc	tagaagcaga	gcttctctcc	29520
caacaaaatac	atcaggactg	gctatagaca	cttttttctt	caataggcta	aaaagatccc	29580
acattctctcc	aggagacaaa	cctcagaaca	gccacagagg	aactgggctc	catggtatag	29640
ctggggcatc	taaggtccca	gagcccacct	ccatccagac	tcagggaagag	aacaggcaag	29700
ccaaatctgc	tggctctcaa	tttggtttac	ataactcctg	actcctcaag	tccttggaag	29760
ctgaggccaa	ttccctggaa	gatcattctg	ttctctcctg	ttttttcaag	aagagagcca	29820
gcctgatcac	tggctccgaa	gactgtgtga	gagtgtccca	cttctctctt	ccacgaactg	29880
agtgtctgcc	gtcatggctg	ttgtttagga	aggthctgth	tgaactctca	taactccata	29940

acttgtagca	atgaaaaaaag	atgtttatag	gctctgtctt	aaggtaaact	tggtgagaat	30360
ggagggtaac	taaaacaact	taaggaaggc	catgagctctg	gggagcacta	gctcttttgg	30420
agcctcagtg	tgtcctgggt	aaagttggag	catccttgtg	gtggcagctc	gattggtgca	30480
ctaagtgcaa	atgtgcacca	agttctggac	tcactcttct	cggacacata	gactgagtg	30540
ggctcatatc	tgtaatcaca	gcactcaaga	ggtggaagta	gaaggatcag	aagcacaaga	30600
tggaacaacc	tcagctctat	agacagttta	aggctatcct	gggctacctg	agaccctgtc	30660
tataagcaaa	tgactaaaca	aacagacaac	acacttaatt	tttttatagc	aaccactttg	30720
aagtgggagg	ggtctgtag	ggtctctatt	gttcacagca	agtgcacaag	gtcaagagta	30780
gctaggcaga	tgaagaagag	gccaaagacac	ctgaacagta	tctttcccat	gggttcggag	30840
gagccacgtg	ccaccttcac	agtcagcatt	gtctgtgcga	gtagctctgg	cagcatcagt	30900
gccccaaaca	cggctgatac	gagtcctcag	atgcaagagg	aaatagttgt	ctgtaattgc	30960
ctgttttaag	tagagtggtc	aggaggctac	agcctcctca	tcgggctaca	tgtggcata	31020
gcaggcttgc	tcacagacc	ttgtatttac	tgttttcacc	ttaatggaga	atgggagagg	31080
caaacaaagc	ccagggactt	tgtggaagct	gactagaagc	ctctgggact	ccagggactg	31140
ccaatctgct	aaagaagaag	ctaagaaaaga	aaatgagctc	ctctgcatgg	gtctcccat	31200
gatggaaata	gaaggccaca	tggcacagtg	taaatagagc	cctgctgcac	tgctcttact	31260
gtggtgaatg	aagaagaggc	aactagccag	gagggcagga	ccactactac	tgttttctgt	31320
gctggttcct	cccaagtggc	cagccttccc	tggggacaga	ccttagctct	aagacagacg	31380
tggcttcttc	ggagcaagtc	aaacctcaac	atcgaagaat	ccttgtcttg	tcagttttag	31440
ctttaacaag	aatagaacaa	gcttctggaa	caggacacag	tggagtccag	agaagcggcc	31500
ttaagtgaag	acacagctgt	ggggtttcca	gactcgcact	gcagggaggc	gtcatccagt	31560
gggagcggcc	agcctcgctg	tagacttcca	acactaacga	atcgggaact	ccatgctgaa	31620
caggatttag	ttagagggtc	cctgtgccag	cagatggatg	tatttttctt	gaaagaccaa	31680
ggtgccagaa	ctcttcatga	ttacgttact	ggagcaaggt	ccttttttgt	ggtttgtgaa	31740
gttgagcgtc	aggactgcag	gattctcttg	ctctttctta	ctcttatttt	ttccagggtca	31800
gaaccagagc	ttggagcagg	gagggaaaatc	ctgtgtaatg	agcaagttct	tctttaaana	31860
gctcttcaag	tccaaaaaga	cttcagtgga	cttaggagaa	agaaatttaa	tacattgccca	31920
tagaatcggt	gttaaccaag	ttaaagcaaa	gcccacagca	tctttgtctt	ataaaagaaa	31980
gcaaagagga	gatggaaaaa	aagaaataat	gcttaggaaa	tccaaaccaa	acaatgaaga	32040
ctaacgaagg	aaaactaaag	atcacttcaa	agaatgtgaa	gattccctcc	taataagatt	32100
tttcaatttt	caaacctaag	cttcaggtgg	gaggaccttt	tcagtttttt	tttttttcaa	32160
gtatgctgtt	aagtggcatt	ccccaaaatg	ttggccctgt	gtaggattgg	ctgccttcca	32220
cataaggagc	agtcagatac	cctgcaagac	ccaggaaactg	agggagcttt	aaccatggga	32280
agctgagagg	cttgccagac	tgtccttga	cctgagcttg	aacctgagtc	ctaactgcta	32340
gcaaactgaa	acaagccag	cctccaggag	aagaaagtgg	gcggaactag	agcagtccta	32400
gccagaaaac	tatgctcctt	tcaccactgt	ctctgtcttt	acatccctgg	gagggagacc	32460
tgggttgggc	ttcaagatcg	cctgctcaga	ccatccctct	cacttgctag	ccccttcag	32520
gcccacgcag	aggcactagt	gcctatgaga	ggtcagtttg	catctgttgt	ggacaagaca	32580
gggaattcct	tgacattttt	aatattttat	tatctttgtt	agtgtgtatg	tatacacaca	32640
cacacacaca	cacacacaca	tatatgcaca	aatgtacca	caaaaagtta	tggagcttgt	32700
ggggggagtc	agtttttttc	ctttcaccat	gaggattccc	agaattgaac	tcaggtcatc	32760
agactagaag	caagcatcct	caccaactca	gccttctcac	tataccttgc	atagagtttc	32820
tcaacttttg	cctaagctca	gactggtagt	tttttgttt	tgtttttaaa	gatttattta	32880
ttattatat	gtaagcacac	cagacacacc	agaagagggc	atcttatgtc	attacagatg	32940
gttgtgagcc	acctagtgtt	tgctgggatt	tgaactcagg	tcctttggaa	gtgctcttaa	33000
ccactgagcc	atctctccag	cccagactg	gtagttttta	aaagcaccag	aagttctgag	33060
cttccatctt	ccttactcag	tgagtttaag	aagcacctgc	ctaggcatga	tattctccag	33120
ggcaggccat	ttgggcaggc	cattctgtac	atctgagcct	gtgaaagact	ggcttgttca	33180
ttgaccccaa	gagacactcg	gcgtgcacac	tgaccacctt	ttcctgtttc	attctgtcac	33240
cttctgttgc	ttattcttat	gaacgcattt	gaatccactg	acttcactgg	gctgggatcc	33300
aaagtaaggc	cacgtgcctt	ttactcatca	tagaaaaaca	ctataggcct	cctagcctcc	33360
tgtctagcct	tggacattca	ttctctcctt	agttttgtct	acaacatggt	agaatctgag	33420
acccaaaagg	agcccttcta	ttctcctcagc	caactagtag	tgtggttcct	gggaggagac	33480
actgctggtc	tcccttgcca	ctatagtaaa	acccaagagg	tgcaacaacc	ccggaagagc	33540
ttgcttctta	ccttcccaa	atccgtggga	aagtttgcca	tcctgtccca	agggtttcag	33600
cctttatttta	actcagcctt	agtcctatgg	ccagatgcct	tgttcacccc	tatcatggag	33660
cctggacagt	gaagggcccc	atcagaagtt	ttatgttctg	ctgccacag	ctgctctcct	

ctgagagcct	ttcgtctccc	taggtccctt	tcaaaacttt	atctctgtgg	caatggccta	34140
gaagccaatc	ccttttgagag	gacccactag	cagtcagtg	ttctgttcca	tgtagcagct	34200
gccaccagag	tggcttccat	tctgtctggc	tgacttccca	ctgagggggg	cctacagagc	34260
ttcgtatgtg	cccaggctg	gcagagaggg	cagcaaggaa	ggctctgttc	tggcaaggct	34320
tatggtatag	gaagtatcta	ggaaatactg	ttgctcttca	gggtgctgac	aagataggag	34380
ctctttcttg	cttcccgggg	at ttggaccc	ctagtttcag	tagagctgg	ctttgttgac	34440
tgtctctg	tggatgtcct	ctgctgtagg	tcttttgttc	tgttctctt	gggaattctt	34500
ctgcttgctt	tctggctgga	ggtagctgga	cagctgcact	agcctctata	ctcatgtgac	34560
acactccct	agcttgtggg	cctcagttga	gtcacacatc	ccctcatgag	ctggacactg	34620
ccagcatgga	tatctgttca	gcaactaaaa	ggataggcct	cccttagcac	tgtcagggtc	34680
aatctttctc	tagagattgg	gtctgctttt	ccctgcagcc	cctggatggc	acatcattag	34740
aaagaaggac	atgccttcca	gtgctgcctc	tgtttctgct	tacagggata	agtatgttta	34800
ttcattcata	ctgaactttg	tacttgtagg	cacctccatg	cctgtagaca	tgcctgatgg	34860
cttgacttct	ctgagaaa	catcactgtc	ctaggtagat	tttagaactt	aagagaatgg	34920
taccacactt	gtcccatccc	tacctctcca	ctccttggct	tttctttgaa	tattttaatt	34980
acctgtccat	cctaaggcta	cacacagtct	aatgtctgga	cacagttcct	cccacctctc	35040
tagagtccat	aaatacctag	gaagccagta	cagctttaca	agaagactg	cttcttctga	35100
ctggccctta	tgggccta	acataccaaa	tctctcaaac	acagtgtagt	gtggaactct	35160
aataagatca	tatgaagaat	gtttagagca	gatgtacttc	ataaatatta	gtttcctaca	35220
gaacgtctgt	cactcagacc	ctctgctttc	tctcagttgg	gctgcatttc	tctctcatgt	35280
ctgtcagtac	ttagttccct	ggcccgctctg	tatccatctg	ttgtcatatc	gtattgcctt	35340
cccttgccca	ttattcatcc	ctcaaactt	tctggaaaga	tccagctttg	gaccagcttg	35400
gttttcttct	tatactact	gtcaaggctg	cagagggttg	ttcactaatc	ctagctactg	35460
agtgtctctt	ggtggtcctc	ctgctggg	ccatctaggt	cttcgtcttg	tctccaaag	35520
atttgactgc	aaccttcctc	ctttctctca	atttctaate	tctcaaaact	tccattcttt	35580
gcagataa	tgactttcta	gtttctcagga	ggacagaagc	acgcttagaa	agttctaaac	35640
ctcctctacc	tggcctacag	acctggctct	gtccctgctc	acctctccca	tctctagaga	35700
aggctctcca	ttgtgtgttg	gattccagtc	ctcggcca	tcagaagcaa	cactgtttac	35760
tccatctctt	gggtccctc	tctactata	gtcaattctg	ctttaaaatg	tcactactta	35820
tatgtacacc	tttactccc	ttactcactg	tgtgtccca	ctgtagtctc	tgtgtctctc	35880
tccctacagc	catctaaagc	cactttgacc	tctgtttcct	tgttctcac	tttccaatct	35940
gtctcctacc	cacctcagct	cccactacta	cttccctcca	gcctttctg	ccagatccag	36000
tggggctcct	gtttgggaca	cacactcctc	tccatgtgg	catttttagga	gggtataaca	36060
aaactgactg	gctcttctt	ccttaagaat	tcccccttag	cttcttcaag	acataaatca	36120
agacccacag	ccacctctct	tgtgtctctg	tccagatct	ctcatggagg	tgttctttgg	36180
actccactag	gatcttcttc	ctcccatgca	ctctctcaag	acgatctcac	ccactgcagc	36240
tagctctcat	cttgccaggt	gaagcctgca	cattcacttg	gaccacacat	acagcagcct	36300
tctggccatc	cccacaaaa	acaaagaaac	caacagctcc	aaataggacc	caaactcacc	36360
gcccagctt	accatcccg	atcacctgca	ggagtggcct	caccatctgt	cccaccatct	36420
gaagcagaga	aaactgtgaca	cctccatttc	cctgcata	cagaccagca	aagttccata	36480
atgttcttag	caatggacaa	agagagtgag	tttgagttaa	aactctagtt	ctattgtgct	36540
gtggacaaat	tccttaagga	tttgtttgta	tgagtttgtt	tgtgtgtgtg	tgtgtgtgtg	36600
tacacatgtg	tgtttgtgta	tatgtgggta	tatgtgtacg	tatagagatg	ttcttgtatg	36660
tggaagccaa	acaactctag	gggtagtctc	tcagggtgtg	tcactgtctt	ctcgtttgta	36720
ttgtctctca	ctgttctgag	tttaagaaag	ctagactggc	tggctactga	gtcccaggat	36780
ctgcttatct	ctgcctcccc	aacactatta	caggcatgct	cacagatgca	catcatacct	36840
agctttttaa	aacatgaatt	tggggaatca	aattcagggtc	tttttgcttg	aatggcaggt	36900
actttaccga	ctaagctatc	tccttaacct	ctctcaactg	agctatctcc	aaaggcatac	36960
agacacacac	acacctctca	acaggatctc	aatatgtagc	ctaggttgtc	ctaaaaactc	37020
taaccttctt	gtctcagaat	cttgagtaca	aaaactgtgg	gtgttcatta	ctgaactcag	37080
ttaaattctt	aatctttatc	agccccagc	tctgcatacca	ttaaatggaa	attataaacac	37140
ctaattcaag	tggctcatcag	gataaaggaa	agccttcttc	acttgggtgtg	tgtttgataa	37200
taaaagtatt	tgaataaata	aatattcaat	aactgagtg	ccctctgtcc	ctctctccac	37260
caatcgga	tgtcttgttg	ttaaattgct	gtttctatag	ttttctgacc	ttgaagcctt	37320
ccccctcaag	atcacactta	ccagtgtttt	cctgactgag	gaccacagtg	cctgtttcat	37380
ccctcctttt	tttacttttg	gggttaggag	gcagattcta	gagtcccat	tacagggttt	37440
gatgtgtctt	ctctctaagc	tgtctctaga	tgccccatc	tcacaaccc	tgcctgagac	37500

catggttcc	ctccccccc	ccctccacg	atacagagga	ggaaagcatt	tgggagtgg	37920
tgagaaactg	aatctcggta	cagcgaccag	taggatagac	tgagacattc	agcaaagacc	37980
aactctactg	aaccaggag	ccaaaaactc	tgcaaaacaa	gaaaaatgta	acacaagagt	38040
ggggcatgc	tagtctttac	tcaaaatcaa	agtagagcta	ccttgtctcg	aagaatctag	38100
aaaatgccaa	taaagtggag	aatcctccca	ctgggtgtgt	tctctctctc	tctctctctc	38160
tctctctctc	tctctctctc	tctctctctc	tctctctcac	acacacacac	acacacacac	38220
acacacacac	acacacacac	acacacacac	acacacacac	acacacgtct	ctcccaacct	38280
ttttgtttt	gtttggttt	gtttggttt	tgtttttcga	gacagggttt	ctatgtatag	38340
ccctgactgt	ccttgaactc	actttgtaga	ccaggctggc	cttgaactca	gaaatccgcc	38400
tctctctgcc	tcctgagtc	tgggataaaa	ggcatgccc	accaccacc	gctctctccc	38460
aaccttttgt	tgatctattt	ttttgtgggt	tccttagcat	gcatcaaat	gtatgagctg	38520
ctttatctgc	ccacccacc	atggctacct	gctctcccac	atggactgca	gtgggacctg	38580
tcagtcttcc	tgacttttgc	taccaatgct	ggtcttatta	ccaatgcagt	agtgatactg	38640
aggcaaactg	tttggcagtg	aaacctttct	ctaagccaca	aatccatagc	ttaaaatatt	38700
gaggcagaag	atgcaaaatt	ttctaagagt	gtaggttttt	ctgtttgttc	at ttgttttt	38760
agtggacaaa	atcaatacac	tgccctcagct	agaaagaaa	aagtgaggga	aaaggtcata	38820
gttgtgatta	aatgttgttg	taattgatct	gctatacagt	gggttttttt	ttttgttttg	38880
ttttgttttt	tttttttttt	tttttgcttt	gtttggggat	gtttcctttt	gacacagaat	38940
ctcaggaggt	agcccaggat	ggccctgaac	tttaaaccct	ctgcctcagc	atcctaatag	39000
ctagaaccaa	acacatgtac	aaccacacct	atctacttat	gtactaatta	taccaaataa	39060
tggatttgcg	ttgccctttc	tatacacgtg	tactataact	tcgatgggtca	tgcccatcac	39120
tgtgtcttgt	teccactccc	ctggcccttc	cāaaatagtt	cctctcctct	cctctctctt	39180
ttcatctag	attccatgca	tgagacagaa	tatatttgtc	agtctaggtc	caacttattt	39240
cacataacaa	atgtcaaatt	ttcaaatgac	aattttttta	ttcttgtttc	ttatttccatt	39300
ttcctgtgct	tatacatgtg	tggtgcatgt	ttggtgggtg	tgtgcatgca	gaggcttggc	39360
agtcaccctc	agctgctttt	ccacgtttct	ctctgaggca	cagtcctcca	tcacgtccag	39420
ggctcactag	tatggcgagt	ctttcaagcc	ggcttgcact	agagatcccc	tctttcctct	39480
ctgggatagg	aattctcggc	atgtgtgtga	gttctgggga	gccacctctg	gtcctcatac	39540
ttatgcaaaa	agtgttttaa	ccacttgga	ttctcccag	ctctcattcc	tttttattgc	39600
tgaataaaac	tccactgtgc	gtatgtacca	cattttctgt	atcccttctt	cccttgatgg	39660
gatctagact	ggttctgtag	aagtgccatg	aaaactgctt	tggtacagat	cgatgtctgt	39720
gttgtgctga	ctttgtactc	ccttcagaca	gatgtccaga	ggtggtagaa	ctggatcata	39780
ggatagtgt	at ttctctctc	tctctctctc	tctctctctc	tctctctctc	tctctctctc	39840
tctctctctc	tcctctctctc	cctctctctc	tcctctctctc	cctctctctc	ttctttctct	39900
ctttttggag	aagcctccag	actgatttcc	atagatgctg	aactaaattc	tttttaattt	39960
aactgaaata	gagggctgct	tagagccaag	gtataattctg	taagaaaagc	cttgactcc	40020
agtgaagttc	ctggcttgt	tgtggtaaag	aagcaattgt	ttctagtttg	agtgttcac	40080
tgggtcagta	agaggacaga	ccattcccaa	gagtgtgctt	tgtcttgagg	gagagaaaaa	40140
ttgtccagta	tctaattggg	caaatcatta	gttgtgttaa	taaccctaca	ggggaaaaaa	40200
tcataataac	gtatccccct	ttcatgtact	taatgtagct	aaattttccc	taatgagtta	40260
aaagtccatg	gaatttttgg	agatagtaat	tggctccaca	ttggaaatgc	tcaagctccc	40320
tgagccctgg	gctccagtaa	gacaggtagt	aaacctgcct	gagccctatg	aagccctgtg	40380
ttcaccttga	gtctccttgc	cagagctcca	aaagaaacca	ggactcagca	ggttgtcttt	40440
tcactctcac	ttacagggtc	gccaaagtca	tgtgtctcta	acctaatctc	gaactccctt	40500
ctttccccc	cagtgtataa	tttaacctac	tggctgttca	aatcaaacct	tgaaccttgg	40560
ttctcctttg	tcaccatata	catcagctgt	tgattctact	tctaaaactc	actgccactt	40620
agatctcccg	agtgtccatt	tctcttcata	ctgcctacct	gccctctggg	ctccactccc	40680
attcccttag	gaacagccct	gtgtaggctc	ccatttctct	cctcttctct	cagacagcac	40740
agtagccagc	taaaagggtc	ttcccaaact	gaactgtgg	gacatcatcc	accttttct	40800
tagagcagat	cacgatcctt	cctttgtagt	taaagcaaag	gtcagagtc	aatatagcca	40860
agagtgccat	gcatattttg	cctggccttc	cttccacagt	gaaccaccca	ctgtgatcct	40920
tgtagtatt	ggaccagct	tctggccatc	cttcagttcc	tgcagctcct	gctcaggacc	40980
tgtgtatatg	ctgtgacttc	tgcccaagac	aactgtctgt	tcctcacct	tgtggctcat	41040
cacccctcct	tcccacagcc	ctgttctgcc	tgggtcagct	catttgcttc	cttagaaaca	41100
tggtaagtta	cattttgcct	ccataaaaga	ttccaagaac	cctcttcagt	tcaaacttct	41160
acataatact	ggctgttccc	tacaatagag	gtttgtctct	gtgacagaca	gcaggctcca	41220
caaagggtgac	cccactgctg	tagtgctcct	gtgtcctctg	ctagctcaga	ggcagggtata	41280
aatgtgcttt	ccgagtacga					

ttacacaggggt	gctcaacatt	tttgtctacat	gtgagaaaaat	gtctggcaca	cacatacaaa	41700
atatccacccc	caaaaagtctc	ttttgacctt	aaatataata	gaaaggaact	tgtatagagg	41760
gctagagcaa	tggtctcaaag	cacgtactgt	gaaagtgtaa	ggacctgagt	tttaaccccc	41820
agaaccacaca	taaagccagg	ttcaatagca	caagtctgta	accccagtat	tcctacgggtg	41880
aaatgtgaga	aagagagaag	agagtccttg	aaggtcagat	agcctgggtat	acagaaagcc	41940
cctgtgccaa	acactgtgga	aggtgagaac	cacattgaag	ttatcctctg	attccatatt	42000
tcttcatggc	acacactcat	gaacatttgc	acataaatgt	gtgtgtgtca	caccatacat	42060
atacaatcat	acacgcatgc	atggaaataa	agcagggtga	aaagagttgg	ttaagagtaa	42120
gaagtgtggt	aggaaaaccag	ccctcctttt	caggccccac	cctctcccc	acccctcccc	42180
agtactcgcc	cctgtcctgc	ttctcttagt	cagctgtgac	tttggccttg	gttgtgggtc	42240
tgtagccacc	gactccccac	ttactacttc	tgtagtgatc	ctgtggctgt	gtagtgggga	42300
ggtggacaca	gatgcaaagt	agtgtagccc	tgttagaaaa	tggccccagc	ataattttaa	42360
agtacctttt	ctctccttca	aagactgatt	ctctgagtgt	gtgttgtggt	gtggtgtgag	42420
acagggacag	tggtgggtgag	tgaggcagaa	gaaatatgcc	ttgataatgc	tggtgctggt	42480
ggtggtagta	gtggtgatgg	tggtggtggg	gtgatggtgg	tggtgatgat	ggtgatggtg	42540
gcagcagctc	acatttgggc	acctgctctg	cattagactc	atgggaacca	gtgtgtgcca	42600
ttcctactta	accctcatca	cagcctgaag	agtgccttca	ttactatgca	ctgcagaagc	42660
taaggcctag	ggaactctgc	cagctcactc	taagtaattt	acatacacag	tcaactttaa	42720
catgtctaca	gtggaggaag	actaggtgga	agacagttgt	taccactctg	ggaaaccatc	42780
ctcaataacc	agttagacca	gcctagactt	gagaacagtg	tgttctggta	tcatcatata	42840
actatctaaa	ctatgtaatc	tcacccagct	gaaggaaatag	gcacctgcca	gcatagccag	42900
ccatgacctc	ccagaagaac	tcactgctca	gatgtgagta	gaagataggt	cagtgttacc	42960
cttgtgacca	catccacatg	caggttgccct	tctgggtatc	attgcaatgt	ctgtatcttt	43020
aggcagatga	tgtacttatt	attggacaac	actaattccc	acttcatgaa	ccatggagaa	43080
ggccatccag	tcatectcaa	tgccctctatc	tcccatcttg	tatggggcta	catctagaag	43140
gcatcccagt	gcttctaaag	ccatttgtct	aaaaatacca	tcttggtttc	ttattaagct	43200
caggtcatca	gcaaagtcaa	cttgggattc	cttgaagcca	aaggcaagat	gggagaaactg	43260
aacagattcc	tgagtggctg	gggaagcttt	cttagagact	aagcacataa	cccataaaca	43320
gtacagcata	ccgttctgct	tccttctcct	tgtctcacac	tgttctccat	gcctcggccc	43380
tcactcttag	cctccaactg	cttgtcagga	tgtctgtttt	actgttagtc	ctctgcagaa	43440
ccctcttgcc	tttcagccac	cagccagcct	cacaggctctg	cacacggtac	cttccagagc	43500
ttcccagtg	tacaaagcca	tcttcccagg	tcatectggt	atatttgagt	tattggaaca	43560
actgtttgtc	cacagaccct	atccatgccc	acataccact	tagcggcctc	tctgtccagt	43620
acttatcagg	agactggcag	ggcagccata	ggcctctctc	tgtacaagcc	tgaccactgg	43680
gaaggaatgg	agcatcttgc	tagggactcc	caggtctcac	ttacttttaa	gtcatttcag	43740
ccagctctatg	ggaagcctga	gtgccaatgc	cctttggagc	caactccctc	tctttagggc	43800
ctggcctgtg	tctgggctct	acacacatgg	ggtaatgcta	gatgactcaa	gacattcaat	43860
aggaagaggg	ctccaagaca	gctgcagcat	cagaactgag	cagccacgtc	tgggactatg	43920
gcaggggatc	gaagtgtacc	tttccctgtg	taccagccta	ggcgggggga	gcaagggatt	43980
ctggaccaag	tcccatgttt	aattaattca	tccctctgtc	tacttgattc	ttctcctctt	44040
ccttccccct	gagcaagctg	atgaaatatt	tcccagcagc	ccctgacaac	ttcaaaccaa	44100
catcagcact	tgccagcact	tttgaaatgg	cactttctgt	ctgtgcttag	agctattgcc	44160
agtgtctgcag	actaaactga	gtgttaccta	agagccactc	ctgacagagg	gtgagaccct	44220
cttaggcctcc	cgcaaataca	gacgtacca	ggtcaaaaca	aagaatgatt	ttcttgttcc	44280
ttgtaaagcc	ccaggtttgg	agaaagagaa	gctgaatcaa	ctcagagata	ggaagggctt	44340
gcagagctgg	aggcagcaga	gccatagaag	tgccaaaagt	gacctcatgg	gaacagttgg	44400
agctggagca	tacatgtgga	gtcagccact	cacagtgcag	gggtgggctt	ctgtgaccct	44460
cacagcaggt	ggggtttgg	atctccatga	caccaacact	cctgcttcca	agactgagct	44520
ctgagatgat	gtctccccac	tgtctaccac	acagaggggt	agccttggct	cgtcctgttc	44580
ctgttaccta	gcatgagaca	ccaacagcag	caaccagagt	atgctgggtg	ctaaaataca	44640
gtgtttgatt	ccacttgggt	cccctaacag	aaggtaaaga	accatacatg	ttcttacttc	44700
acagaaagaa	gaacctgtga	tctgagagat	gcccttccca	aggttgatt	taagaagcag	44760
acaagcttct	tccaggttgc	tgcttctctt	atgaggtgca	tagcagactt	gggcccagcc	44820
tgtgggtcta	cagagatctg	atgccaaagt	gcctaggaat	ctgggacagg	gaagtacgca	44880
ggactagggt	tgtgtgtgcc	ccatcagggt	ttatagtacc	tttatgtatt	gtgtgctggca	44940
ccttcatagt	cgctgtctat	atacatgtaa	tctgtatgtc	caagatattt	attagggggg	45000
ctaactcagc	atcatttctc	aatgaagttt	cttaccagag	gtttcccata		

tctggggactt	aattagtttc	agagggctag	tccattatca	tcatgtcagg	gaacatggca	45480
gcatgcaggc	aggcatggca	cagaagcagt	ggctgagagc	tacatcttga	tccatgggca	45540
gcaggcagcg	agagatgggg	gaggagagag	agagagacag	agacagagag	acagagaaaa	45600
agaaaaacag	agagagagat	taatattgat	tgattgattg	attctggacc	tggtgtgggc	45660
ttttgagatc	tcaaagtcca	tcttcagaga	catgctgacc	taactcacaa	agccacacct	45720
cctgatctta	ccaaacagtt	catcagctgg	ggactaaaca	tgcaaacatg	tttatggggg	45780
ccatttttcag	tcaaccccc	acccacagca	gtattagaaa	atgaacttag	ctgagtggat	45840
cccataagcc	tgtagaatag	cacttaggag	gtagaagcag	gaggatcaaa	agttagggtc	45900
atccttagct	acatatattg	tttgagacca	gcctagacct	caggagatac	tctttctttt	45960
tttttttttt	taattttatt	attttattata	tgtaagtaca	ctgtagctgt	cttcagacac	46020
tccagaagag	ggcgtcagat	cttgttactg	atggttgtga	gccaccatgt	ggttgctggg	46080
atttgaactc	cggaccttcg	gaagagcagt	cgggtgctct	tacccactga	gccatctcac	46140
cagcccagaga	tactctttca	aaaagaaaaa	aagaaaaaga	aatgaaccc	aaacacactc	46200
aggtcaggaa	atagactatt	agagccccct	aaacacacac	atactccatc	catcccccat	46260
tcagaacctt	cttcacatct	ccaaaaaaat	ggaaccattc	cacaagtctt	agtttttctc	46320
tgagtgttac	atttggggaga	atccattggt	gtatatgatt	gtgtcccttt	gttttcattg	46380
ctacagaatt	ttcctttgaa	aagctgaaga	tataggacag	tgatagagca	cttgcttggc	46440
atgcacaag	ccccaaagt	ggtctctaac	agagcgataa	aataaaaat	tttgaagaa	46500
tacaggaaat	ttttaagaaa	atacttatat	cagttcattg	agaatttcat	atactatatt	46560
ttgatcata	tcacccccag	ttcctctttc	taacttcccc	acctccctac	ttcccccatc	46620
ttcttgtcat	cattgttttc	tccccctctc	ccccctcccc	ctccacctcc	tcttccccct	46680
cctcctcatt	cccttctctc	ctcctctctc	tctcctctct	tcataatgta	ttgactctaa	46740
ttgttctgt	ccatatactt	ctgggtgcaa	attgacttac	caagagctac	accctaaat	46800
acaactgatt	tcattttctat	cccagaaget	ctcaactggt	cataggtcct	cagctaaggg	46860
tgaaggetca	taaactctgc	cccagtcct	gacagagtac	tgcttaggct	tgatcttgtg	46920
caggtcttat	gcaggtgaga	tggtgtctgt	gagaccgtgc	gtgcagtctc	ctgtcatgcc	46980
caagatctct	cttcaccctc	tgaattctgg	gttcctctgac	ctccaactcc	ctctaagata	47040
gcacctgagc	tttagagggt	ggcttgatat	gtatggccca	cttgtggctg	ggcactccag	47100
cgatcacctg	ccactgcaca	caagaagttt	cccgatgagc	tctaagagct	gtactaactt	47160
acggatacaa	aggcacagat	ttagagggca	gttaggctgt	gtccttttag	caaaataata	47220
acattggcca	aattttacaga	accagatatg	tgctgcctcc	ggtggaatgg	gcttaagttc	47280
agccagtaag	tgactggcta	cctcataaca	tttgtggcac	tactgcacca	tgggcatagc	47340
ttaccaccct	ggtcactact	gcagctcacg	gggtcacag	cttcctttct	ctgatatcca	47400
cactattgag	gactattgaa	tattattgaa	gattttcccc	acagcagcct	gcagagtatc	47460
tttgagtatg	gtgaaggtaa	aacagcaggg	aggaagcttc	ttagatccaa	cttgatttct	47520
ccatgtcctg	tgatgggcat	gtgtgggtaa	gcaatagggt	cttatcatca	tgttctggta	47580
ggcaaccaag	ctatgaaagg	cttttagagc	tggtgtaaat	gtagttccag	catttaagaa	47640
gtggatcaag	agtttaagg	caccttggc	tacatcatga	aattgaagcc	atcttgagct	47700
actcaaacc	ttgtctcaaa	agcaaaaact	gatcatctat	tctgcattaa	tctaatacgc	47760
gttctgattg	tttctgcggt	caagttatta	cagataaatt	tgtttatgct	tttgtgtgca	47820
catgcatata	ttctgcttca	gtgtagacct	aggagtaaaa	ctgttcaccc	tacacaattg	47880
tatttagcaa	gtagcaagag	ttcaggcctt	ttctaacttt	ctgcttgatt	ttccagtttt	47940
tctcctcatt	gtgtttttct	gcctatttcag	gatatgaatc	ctttgttgag	tgatatatatt	48000
gcacatatca	gcctagagtc	agacagtaat	gactagagaa	caaagcaacg	cctaaggcac	48060
tgcatgttct	tcttgaggta	atagaagtta	acagacacac	ttctgggtc	ctggtctctg	48120
ggcagccagg	gaatccctaa	agctttgatt	ctgttgattg	tcactttgct	ctaagattat	48180
gactaaggaa	ttgagcttct	agaatcagtg	accagagttc	tccagatttg	ggatagccac	48240
agatagaatc	atcaatgaac	tgttcttttt	ttcttttctt	ttcttttctc	ttcttttctc	48300
ttcttttctt	ttcttttttt	tttaatcaaa	agtgtctttt	agggacctaa	ctttatggat	48360
gactcttcag	ccctttccac	tcattccctg	tgtggtgtca	tacctctcag	ggaaaccaat	48420
caggagagtt	gaattctgga	ccccacttaa	tcattacaag	agatagtaag	gaaattctta	48480
atgcatatac	caaatgaaca	tgctaaagaa	actggtgatt	ctgcagttat	gcatggattc	48540
agaaactctgt	aagccccacg	agccccagac	atttaatggt	ttggagttct	tgtagtgaat	48600
ctatgaggatg	caacccccaa	gattacaag	gtctccttag	aggagaactg	tttaacaaac	48660
acaccagtat	gtttgacatt	tgctcctttc	ttccagtaggc	ccttctcca	atgccctatg	48720
gtgctctcat	ctgccccata	tgatatcttc	ctttctctga	tatccattgc	caaaatgctt	48780
tgtagcacat	ggtgacatgc	tctcaccacg	tggggaagg	gttaatggta	atcagcatct	48840
ttactgtctc						


```

ttcacaaagt gagagtgtca agtgtgtctg ctctaatacac ccaccccagg catcagaggc 49260
ttgtgacact cacagggttag ccctccagga agcaggccac aggacttcag gttgagcctg 49320
gagaaagggtg cccatggccg tcacctccag cagctacttg gcaggtaacc agaacatgct 49380
tggctcactc agctcttggc tgtgctcccc agaggggaagt gtttctaatac tgtcgtcact 49440
gctgctccca tatactctga ggcattgtgg ctttttcttg gtggttgggc aggaagcctc 49500
cagagcctaa aggaattgcc atgcttgatg acagacaaag gctattgatg gctataaatac 49560
acttagctgc tgcctggctt atttaagagg aagaggacat gttaactatt ctgaggatag 49620
gccttcctgt ggtgggtacc caactgaaaa gggatctcac agattgactc cagctgtgcc 49680
cgctgagtta agtggaagga aatgccccac ttagacatga ctttgcaaag ccaaccagca 49740
aatcatccca ttgacttgta gctccacctc actgggcac ctcaagtgc cacccttaag 49800
cagtgttggg ccaggatcca aggtgaggaa gccagggct gactagctgg gacggcacca 49860
cattgagtgg gggctgttct caaggaggca gatctggctt agccctgaat gtggagactg 49920
tgctatcacc atcatgtccc tgaaggctgt ctgagctct ctgattctgt agtcatgcct 49980
cccttggggg aagtgtccc                                     49999

```

<210> 12

<211> 38886

<212> DNA

<213> Mus musculus

<400> 12

```

actcaccgac cggggctttt gtctccaaag ctgagacatc tccatctatg tccttcttgt 60
tccttatttc ttcacataag acactgtgac cacttctccc tgggtgtgtg acctagcttc 120
gtagagctg tttagaattc gagaaataca attgtcttgt agtttctact gggagaggtc 180
ataacctttg cccgttaatg tatatatcct cttaatgaca tcagctagac aaaactaagg 240
tttaataaac tgaggattgt tcaaaatatt tatgttatgt aaaaagtgtg tgggtgtttt 300
tacagtatgg agattgaacc taaaagtcca tacatagcag gcaagtgtct cactgagctgt 360
atccttagct atttttaatt ccttattttg agacaaagct tttctaaatt tcccaagctg 420
gcctagtatt ccttgacctt gggatcctcc tgtcttagtc tccaagtaag attacatgac 480
tgctgtgcca tgcccagctg aaaatgtttt ctactgagtc tcctacactc tacacagcca 540
ttttccctac agtgagtgc cgcagagtca cagggttttc ccttgacttt actgaagcct 600
tgccctgtgt gtctttgtct ctgccctgat gactatcaga gcagttgtca cctcaccacc 660
ttctatgtgg taactgtgaa cactaggcct tgtggggaca tagaaccata gggagagagg 720
caaagttag aattctcatc ccagggtgaga gaagggtata gttctgagcc aagactacct 780
tgggtgcacc atacagcaaa gtgacctgtc atgcagacat gacatgtttc ccacagctgc 840
ctttgaggag acctcctagt tctgcaccat cttccctctc ctgagattct gtatgtttgt 900
gttctacatc tgccaactaa gctaaactga ctcaactatt agatgcattt tcctacccca 960
tcccaccta taccacccaa ctgcacctca tttcccccac cccaccccat cccatccccc 1020
tcctcctccc tcccgccaaa tcccacatg aagtgcctcc ttcctggag cctagcagg 1080
tgcccaccac tttatgctaa atatgtgtcc tctatccttt agtataacca gactagtcag 1140
gtggtcacca tgttttgtgt aaggaatgcc attcatcact gttctgctca tgaaacagaa 1200
tgcccttttc actccctctg actttctcag tgaattttcc agtgctgatg tcatcaaat 1260
tgactcccaa tttttaacaa cctcagctc cagaactacc agtccctgc tgagtacttc 1320
aagaggcggg tcttgctct gcctgtgcaa ctgagtggaa tgtgaatgct tttgactgtg 1380
aggtagagag ccttagattaa gaggctttgc agattttctg tagattctgg ttcccagtac 1440
ttagagcaga cctgggaccc agccaggggc tgctgaggag tttgtagcac tgatgaagtt 1500
ctgaacagtc cctccagcag agctagcaca ctgcggatgc tcagcagaca ccgggtgcac 1560
gcctctctc gcaagcatgg attgttccc ctgcacctt aatcttagca tgatgcctcc 1620
gtttcttcta aagcaccagg cgcccgctct cttcacttac tctagatggg tctcatgggt 1680
gagggttaaga attccccatc tgaactctaa accaaatacc ttatgaactt ccaagtttta 1740
gatttttagag catttgagat tttatgtttg tattccagag cctatgcaaa tattcacaaa 1800
tctgaaaatg aaactctgaag cacttttggg ctgagcattt cagataagag gttaacagcc 1860
tgtagtctaa tcatatttat ggaatactta gcagtgtgtt ggcccctaag ataagaactg 1920
atgaaacatc tacaccttcc tggaaataacc tgagattcca cagaccctgt ggtgttttga 1980
gccccattcc tgtgcccatt gagttaccaa gaccagaaaa ccactattgc cattgggctc 2040
ttgggaaata aaggttccat tcacataagg atgcccactc cacacctacc accatcattt 2100
ttgcagtccc ttcctgttca ggcaagctca ccattgggagc caagccagtg ctgttcagat 2160
cccagttagc atatccacag ccagagagat gcagaagtca tataggcaag agcctatatg 2220
cggactgtta cataccagac agttgtgtcc ccaactgctaa acctagagaa atgttccaca 2280
aatggcccag attgcaagaa gaacctggg aaattctacc atgcatctca caaattagaa 2340
gaccagtcat tgtgtgtatt gtaagatcaa tgtaaacctc atgcctttgc ttgtctagct 2400
agagccaagc actgtgcagt gcatggaaac aataaaggct cagagaacc actgagggag 2460

```


acagggcatgg	aaagcaatat	ttataacaaa	tacttaggggt	ggggcatgat	gggagaaatg	2520
tccttggggct	caatcagctc	atgatcagat	gagcgggtgtg	gtggaaacac	gaggtgggag	2580
cagcacagggt	caccagctg	tggccagaaa	gcagcaaattg	gcaagaggaa	ggggccagga	2640
acaaggtata	gaccccaaga	attcccagaa	ctcaggccct	gaagtgcccc	ttcctcctaa	2700
atactctgcc	atcctccaaa	acagtgtcat	cagcaaggga	ccaggccctt	aactcatgaa	2760
cctcggggggg	gtgggggggg	cggcatttca	tgttcacacc	ataggggtga	caaaggagtt	2820
aggagccagg	ctcccaggat	gcccagcctg	ggaaggaaaag	tacatgcact	gcttctctca	2880
gctggggcct	cattggacag	gcaagtgcc	tgtgagcag	tgtcaggtag	gagcctgtat	2940
tttgacatgt	agaggacaag	gcaggtgcct	gggtgtctgc	aggtgaaag	ggcaaacggc	3000
ctgtgtgtgt	gtctggtgca	gtccaggcac	gtgcagggga	agcccagaac	tgcctggatg	3060
ggaacacacc	catctaaagc	actctgaacc	cagttcataa	aaccatgggt	caatatatttc	3120
aaagtcacag	aactaatgag	ctctgccaga	ctcaacagac	cgcattccag	tgggtgataa	3180
gacaagtgtt	agcacagagg	aaacggccca	ggcgggaaga	ggcttttctt	aatctgttgg	3240
gtttcgtgtt	tatagtaaag	cagctgccct	tggacaagag	tattcattta	tcaggtcacc	3300
cacaaaggag	gcttagttac	tatgtccacc	ctgtttgggt	ttaagtaata	actgtctaca	3360
gacaagtaaa	aattggatca	gggcaagttc	agtaggtccc	atcaggcctg	cagaagctgt	3420
ctcaggctct	gactgccaa	ttcgtgtgcc	tgttgtccag	caggaattag	cagagagaaa	3480
gtgtggttaa	ccttagccta	gccccgaaga	gctctatttt	caccttttaa	aaatgtgtgt	3540
tgtcttcac	tcagtatttc	tgtgaacag	cagcaaagaa	tgattctagt	gtgctcattt	3600
agtccctgaa	cagttcatca	gcatccact	tgtctctggg	attcccaaga	ccattcaggc	3660
ctagattccc	cccacacctt	ccttcccacg	gcttggggtc	tgcagaggaa	agtgggcaga	3720
ggaaggggaa	gagccagctc	acattggtaa	ggccttacca	accaggaaaa	ataaggatgg	3780
cagtgaacca	gctaagcatc	ctgagtaact	cagaggaggc	tttgtgagg	aggcctcact	3840
tccaacagag	attctgtcac	ctcctgagtc	ctggactaag	gtaccagag	tcaccttctc	3900
actcccgcta	gcttctgtgg	gttcagtga	acagatcagg	accagggtg	tacctggaag	3960
cgtcagcttc	acgagaggtc	ttatcttact	cattctctgt	tgtcttgagg	taaaacagc	4020
atgtgcagaa	ctgtaagggt	ctgtgtgtct	ttgtaataat	agaaataatc	cttgatgaaa	4080
agtatttttaa	gcattggaagt	gcacacctat	aatacccaca	ctcgggaggc	aaaaacagaa	4140
acattgccat	aggcttgaag	ctcacctgag	ctatgtagt	tagcaagttc	cagaagatct	4200
ggactgtatg	gttaagactg	tcaccaccat	catcatcata	atgaattgta	tattattata	4260
ataatattaa	aaagtattta	gtggctgctt	cctatgtcct	agtcactgtt	caagggactg	4320
ggaggtaaag	tgtctgagct	cccaggtta	gtgacattga	gcagctgtga	ctggcccaaa	4380
agaatgcagg	gacaggaaga	acaggaaaaa	aatcacaagt	agtcaggtag	agccccaaagc	4440
taggactgca	gtaggcagag	caggagtga	caagctcaca	cgggcaccac	taagagctga	4500
tccaaccatg	gtttgtccgt	gactgatggc	tttgaggcaa	agcaaggata	caagtagaag	4560
ccacactcca	acctaaagat	gtctggcttc	agtaggcctt	tctctgaac	cttggaactt	4620
tggtgaaaac	ttatggatgg	tggatcccta	atggtttccc	aagtgtctgt	ctttctagga	4680
agcttatttt	aaactccacc	cccatgcaag	gtcaggctat	ggcttactca	gataacaatc	4740
taaaatgtcag	caaagccatg	gagaagatga	agaagtaaga	aggatcatct	cccttttacc	4800
ctccaaagac	tgaagcctgt	ggacagggcc	ctgggcagtt	caccagggg	cttgacaact	4860
tacacagctc	tgactacgtt	cctatgccag	atgcagtctg	tctgtctctc	ccatctgttc	4920
tggctctccc	cagagcctca	gaccagcaga	cagaaatcaa	gccatgcttg	gttctagatc	4980
tgttgacagg	gcagtgtgca	tggtggaag	gggaatgagg	cagagcaagc	agcttgagtc	5040
actcatgcca	gggctccctc	cactaatatg	ccctccctaga	gatggactca	ggttcccttc	5100
acagcctctg	caggcctgggt	cttgtattgc	ccagacagag	atcacctact	tcagaagggg	5160
cactcagtac	ttgcagtgtc	ctcttgattg	gatggaacca	aacaatgctg	ggacacaggc	5220
catccccccag	accacagga	gcagctccac	catgcaaatc	tacctccagc	ttgagggtgg	5280
ctgcatagg	aaagtgtatc	acaaccctgc	ttggtaaagg	agaagacaaa	gtaacattca	5340
atacaaaaaa	aaaaaaaaaa	aaaaaaaaaa	agagtttgag	ggcttagacc	aactaaggct	5400
tggagttctt	tagggagcag	catttggaatt	tcatgtacca	tcccagagca	gggttctcca	5460
aagagaatag	cttataacct	cttcccactt	aacacagcca	cccaaggcca	gaaaacctag	5520
agaagccaaa	gctgcaggag	ttgggtggtg	cccacccaga	tctgggcctt	gccacattct	5580
ggctctagtc	gtcttctata	gcctctgaga	ctcagtttcc	cactgtgcac	attaagacct	5640
acagtttttt	tcttgggaaa	ggactcattg	ggctaaatga	caaagcacac	agagagcttg	5700
gctgcaactct	cttttcttcc	caccattagt	ggcctcacca	ctccagggtg	gccttggaag	5760
atggggccca	ccccgcccc	ccagcagccc	aagcaaagca	cactttgaat	aaagcagagc	5820
agcctgagct	ccggggtgac	ctggctcctc	ctctcctctc	tctcttagag	ctatctcttg	5880
cagttgtatg	tgtatgagag	gatccgtgtg	tttaaaacac	ccttctccct	agaacatctt	5

tgtgtgtgta	cacatcataa	aagagccagc	aaggcccaat	tacccttcac	tgcaatgcta	6300
cacagcacaa	tgcttgggtc	tgcttagggg	ccagagctgt	tgcccacgtg	caggcctgcc	6360
ccgtgcctct	gtgtgcagag	ctaagccttg	ggaagagcaa	ggcttcgtgg	ctagctttat	6420
gctgacaaag	ggctttcagt	gctgtcaa	gactgcaagc	agtcccttcc	ccctccctac	6480
cacagccact	gggcctccct	ttggcagggc	cagagggctg	cacttgaacg	cctagcctct	6540
ggagacttcc	ttttgaacta	gaaaaacatg	gctcaa	gcttcaactg	agcagggtc	6600
tgcttgcctg	acctatagaa	aggcctggag	tagattcagt	cccacagact	agaaaacctg	6660
gctctggcct	cacccacaag	gcctgttatg	tctggctcca	gaggcctgct	cctctggggt	6720
tttccatgcc	tgtgaactag	gccccattca	ttccctgcg	gtttcatggg	aacgtccaaa	6780
atattgagca	ggttgcaggg	agcccaggag	gaaaggggtc	agtgaaggc	cctagctgtg	6840
acgtgggggtg	gcccgtgtgt	caagccctgg	tggggcgctt	gtcagtctgc	tgctgcctct	6900
cctcccaggc	accccttcca	ctccctgaa	gcttggcctg	cagcagcact	ccccttcccc	6960
accccaggc	ctctactttc	cagctcccta	gccaccagcc	ccaccctggc	ctggcctcag	7020
agggaaactgc	aacaagatct	ctacagttcc	ccacccccag	catccctcaa	tttagtactg	7080
atcagaccac	tgacttccca	tcacgcccc	ttcccttgca	gttttccacc	acactacact	7140
caatttgggg	ctgctgagag	agcagcaggt	ctcctgtgag	ggtggctgct	gtcttccac	7200
cttgggctgc	ccagctatag	aggagagtca	tgctctagca	cacaactcct	gtgagagccc	7260
agcagctgcc	ttcacagcta	ctggggagcc	caagggtcc	ttaagccaac	agtggagatg	7320
tacccatgtg	ggggaaat	ggtttgccga	agaaatgaat	ttgaaactag	ctggggagcaa	7380
ttcttatcaa	atttccatgt	tagcagtttt	caccaagaac	taattgaaca	atctctgtga	7440
gtggccta	tccattagca	tgagattccc	acaaagttaa	caagtgcct	agtggccaag	7500
ggcagagagg	ctcttctgtc	tcacacttgg	ttttggctct	tgaagatgga	tggagtttca	7560
ggtttcagca	acagccaggc	agatgtcac	ctctggccca	gtaggcttca	atctcagcag	7620
ctcagctcca	gatcaacttc	agaagccact	ttgcaagtat	tcagggtatg	aaagggctga	7680
tcagaccact	gacttcccat	cccaagatga	atttctcttc	tgggttagca	ggtaaaatgg	7740
atctgagggg	agaacatcct	acagacctca	cctcccttgc	caggcagtat	tgagagacca	7800
ggtagagagg	actgaaaaat	atgaaggcaa	agcttgagga	gcatagtct	ggacagggcc	7860
tgccctcagc	accacctccc	cacctgaggc	aagacccaaa	gttagtgcca	gcatactcact	7920
gttgtccaga	aactgagttc	taggggcaga	aacagcagcc	acctgggacc	tgttcctgtc	7980
cttgagccac	agcgaggtag	ctgttcctag	tgggtatagt	actttctctt	ctctccactg	8040
cccagtgggc	ttgacagttc	cagggacggg	gctctggggg	tacccatcag	ccctgtggca	8100
tcatgctaga	tgaggagccc	agagaatgaa	gcatactagt	tctttgtccc	tgactagcta	8160
tagactgagc	aagggtcctc	tcttcttgac	agctgcagca	tgggtgtcagc	attgactgct	8220
atgaaccagc	cttccctatag	gtagcatggg	caggacagag	gttgagacc	tacctacaag	8280
gcccttccct	acaactgctct	acaatgagac	ataagccagt	gactcttccc	ttccctctcc	8340
ctgggcctgc	tggatggcct	cctgcgggct	ctctcagggc	atgagccctt	gcctcctaga	8400
atacccttoga	cttgtctaaa	actagtcata	aggccctggc	tccttccctc	tgctactgac	8460
tcacccaaaac	tcaatggagc	attgcctgca	cttgacctat	caccccttcc	ctgtttttct	8520
aaaccagatt	ccccagccct	accaccctgg	tggtttgctt	caacttgcca	gcctcagggg	8580
ccttttctta	cccttctctc	tgctctgca	gcacttctca	cagggcagcc	tgctacagct	8640
cctccatgtc	cctctgcctt	attctaccac	ctctaccttc	tctgttctgg	cctcctgggg	8700
gccagtgcac	acgccttcgt	cacctggctc	gctcaagccc	tcccttaatt	gtctcatccc	8760
tcatccgggc	ctactctgtc	ccccagcccc	aactattccc	acatacttat	ttgaaacatc	8820
ttcttctgtc	agtagccttc	cagctcctga	gtggggctca	agcctgtacc	ctcaattcct	8880
tgcccttcca	ctcagagcct	tgtgtttcat	ttctgggtcc	ttgacatccc	ttgaaatgaa	8940
tctctgttgt	gagtgtagct	cctgtggat	ggatatacct	gtgggctct	taggaagtat	9000
ttaggcattc	tgattgcctc	tgaggccact	ggccccaaga	gcacagactg	atgcgtaggg	9060
atataggact	tggagcagat	cacttcccta	tttgacatt	aagctcctgc	caccagaaa	9120
gataagaaca	ttgtaggggc	ataggagaag	tgataccag	ggtggagtga	ggccacagct	9180
agaaaagatg	agtaagaaat	ccaacaaagg	gattcaaagc	tagctctgaa	agctgaggcc	9240
taccagccat	tgctagtgtg	aataactctg	ctgctgtgta	tgaaggaagt	agtactcagt	9300
agataaggaa	gtagtactca	ggagataaag	aagtgtact	cagttagattg	gttagggcct	9360
gtagagaaaa	gatcaggaga	cttggtgacc	ccaaattatc	agcatgcctg	gcagtgafta	9420
ttagggaagt	gaaaacacct	gagaactaaa	cagaaaggac	aatagtata	gaggggacca	9480
acagtcttac	ctcctgaact	ggagcctgat	gccattgtct	ccaggagtcc	ttcactctgt	9540
gcaggttgtt	gaacatccac	tctgggacta	gcacatatac	cactagggat	ggagacgaga	9600
tacaacctag	gaccgagaga	ggccatcaca	gtcatgaagg	ccagatgcta	tgatggggac	9660
caagaggatg	ctaagagaga	gttcctcatg	ctatcttcca	aactgagtga	tagccaaaga	9720
aaggacatga	gagaggagca	gccttagtac	tctgggctgt	gagaacagta	tatgaaagga	9780
cagaagccaa	aagggcctca	ggacttcagt	agagccaaag	taggatggag	cagggagaa	9840
gagtgatgca	gtccaaacat	acataaaaca	taccattatg	tttagccagg	tagaggaact	9900
ctagtcttta	aacagtgggt	cctgctggaa	gggacatgac	cctgttttgt	gtgaaggcaa	9960
cacagtagca	ggagatgacg	acctggacaa	cagtgtatgac	aggaaggaaa	gcaagagatg	10020

ctttctggaaa	tctactccag	atcctagaac	tggaccattt	gagcaactct	tgcataccct	10080
gttgtctctt	aaaaagagga	agaaagaaaa	gaaaaaagga	aaggaaagga	aaggaaagga	10140
aaggaaagga	aaggaaagga	aaggaaagga	aaggaaagga	aaggaaagga	aaggaaagga	10200
aaggaagaaa	ggaagaaagg	aagaaaggaa	gaaatggaaa	gggaaggagg	ggaggggaaag	10260
ggaggggagg	ggaggggaaag	ggaagggaag	agaagagaag	agaaaaggag	agaagagaaa	10320
agagaagaag	aggagagaag	aggagaggaa	aggaaagaaa	aaaagcaata	acaggacagg	10380
tgcccagaca	agaggagggtc	tagctaggct	agggtagaca	cactgtagtc	tgagtggtag	10440
ttatttatgg	ccaggaactt	ggtcgctgat	tttcacttgg	ttggcatgcc	tgcttctctc	10500
agaggcttct	cacctaacca	ctgtctgacc	tgtcaggatg	ctgaggttat	gtagactgaa	10560
agacctaca	tagagaaaga	cacaatctca	aaaaattagg	taaatatcaa	ataataacca	10620
catttggaca	caagttaaata	aacatggccc	agtctgggtc	ctcggatggg	aggtgcagtg	10680
tccagcgca	taagtttgtgt	tgagcatact	cacttcctaa	ggtaaagaat	gcctataata	10740
gtaataaatt	gacagcagtg	taaatttgta	tctgaacctt	tccctttaag	tggtatcagt	10800
accgttctgg	gcggaagctt	cctttcttat	gacatggaat	gtgcatctct	ggtgtgcact	10860
tatatatagg	ttgattatgg	cttgccagga	catgaaaccc	tggtcagct	ggtccctggg	10920
atgagaaaca	gcaaaccttc	cccctctttc	cccaggcctt	gcaggcccag	acagcaggtg	10980
gggactgctt	gagagagggc	tgcaagactt	tcaccgtgat	gtcctggctg	acagcctcct	11040
gtcacagaag	agctctaccc	aagacctcca	gagtgtgggg	gccccagtg	ctcaggcctc	11100
catagctcga	gcagatgcca	gacctgggac	tgaggcccca	tctctgaggg	cttggcttgc	11160
tgttctggaa	ggtgatcctg	gctgtcaccc	attcttgagc	ccctatttag	agcagttgtc	11220
aggcagttgc	tgggattcag	ctagctcccc	atccccagca	gggctgagtg	atctcatgcc	11280
tatgcatgac	tgctgcctgg	ggaggaggtg	ccctaagact	gaaggcaggt	gcccagacca	11340
gaaggagagt	ctaggccatg	gcaaccacga	caaccctcag	ccactttccc	agttccatac	11400
cctaattgtc	tccagcctgg	ttcatttgcc	ctgggatagc	acaaggcatc	atttgagttt	11460
ggctgcaaac	tttatgtgaa	gtttgcccc	ttccccacaa	gagaggaaa	ctcagattga	11520
taagctcgct	tgccagagac	cccacagcca	accggttttg	acagaaacct	cagcccaaaa	11580
ggcagcttta	gctaacgaaa	cagcaactgg	cactccaggg	accctgggac	tttgggccac	11640
aaatttgtaa	ctctcgagct	attcttccca	gaaagtctct	gggttctaag	tggtttttgc	11700
cacgtcccag	gactggaaca	gaagagtctg	gtggccccct	gctgatcact	gtgagaactg	11760
cacaagggtg	gacaggtgcc	agcaagaggg	gccttggtta	gcccaggtg	agaggagaga	11820
tctgtgcacc	cctccatggg	tgattggccc	cacagggaat	cttaagttca	gtggagctct	11880
ggctgctgct	ggtttgccca	tgtctcagcc	tgtcagttct	agatcttcta	gatcctgggc	11940
ctcctgggag	tctgggagct	cctgggccag	agtatcgctg	ggtcctttgt	gatgtgcaca	12000
tgcttgctcc	ttcccccttc	acttgccaga	tgagaggatt	ttaagatcat	ttcctcaaac	12060
cccccttagga	cactaacagag	ccttatcgcg	accagaaagt	gggaactttg	ttccgtgcac	12120
cctcttggtt	ggtgacagga	tttaagttaa	tgcttggctc	ttgacagact	gttgtgaaga	12180
attcctagtc	tgtatgtcta	actcagaggg	agagaggaag	cgaagggcag	atggacaggg	12240
ggtgcagaat	ggacagatgg	acaagggtta	ctaattgaaa	taggaatcac	aggcaccaag	12300
gtgcctgaac	aaggccagcc	tatgcaacca	gagtcatgcc	agatttgtat	cagagttaga	12360
catgctcttc	ttttctcaag	gtcttgggca	gcttacaggg	ctgtgcagat	gtccatggag	12420
gataaattgt	caggtcatgg	tcactggaga	agctgcttgc	ctggagtctt	ctcatgcctg	12480
tttcccatag	tggccccctc	ttcaccccat	ctctcttctc	ccaccatgaa	ctcatgtgga	12540
acaaagcaga	agagttcctg	tggaccagga	ctctggatca	tcccatacaa	gtctctgact	12600
tatagcttgg	agcatggaga	agggctcctg	tcttgagcca	ttagcccacc	ctgctcctgc	12660
ctgectaaca	gccttatcct	cacagtcctg	ctgtggggcc	ctactgccac	ctgccggctt	12720
catttacaaa	ctgcagtcct	agttcagcct	tgggattaca	agagactgtg	tactctggtc	12780
aacaggattc	tgagactgca	caaagagaac	aggtctggaa	acagtcctga	cttcccatag	12840
cagtgtcaga	gcatttatct	aacagtcctg	gcagggacag	acagcatccc	agcactgtgg	12900
aggttgtgac	aaggtgaagg	attatcagat	gtgttagtca	tttgtgtggt	gtatgtgaag	12960
aaaggaaagc	accactgtgt	cttggacagt	tgatattcct	gcttggtatc	tggcccagaa	13020
cacatgttcc	ctctgccttt	gcaccagccc	ttgatcaga	cattagcatt	gtcttacttt	13080
gggaaggaa	aacaggagat	tcaccagggg	tccacaaca	agagtgtggg	agaaccagca	13140
ttcaaactgt	ctcagaggct	tggttggtcag	tgatggtgat	tgtcagtagt	gataagcaca	13200
agaagggtat	ggggactgag	ataagggtgt	cagcctaaaa	agctctgcct	acaaactagt	13260
gggtaacaca	aaggcttttc	ttcttgagct	gagtcctagt	agtcctagac	agaagccaag	13320
tgtgcagagg	cccccatgac	tggagctagg	cttgcccagg	ccccaatgac	aggatcgggt	13380
gtgcacaggt	ccccatgaca	ggagccaggt	gtgtccagac	cccacctagt	gggcttcatg	13440
agccccct						

tgtacacacc	tgaagactt	catgttcaat	ccacttattc	accaagggag	ccccagggt	13860
caggggagaa	cctgcctgcc	caggattgaa	atacaggtaa	ctaacttcag	ggctggttga	13920
ctctgtctcc	tgctgtgcct	ggcttctac	ccttgacaca	cttctcccat	cttccatcag	13980
tccccacctc	ttctcaactag	ggccttgaca	tattttcatc	ttcttattta	gagctttatc	14040
cccatgtact	tagttactta	tagtaattct	aattacactg	aagtgaagga	aatagaatg	14100
atagctcttc	ttacaagtga	gccccagagg	aagcccagca	ggtctttcta	ccagagatca	14160
ttactgtgta	tcatctctga	accaggcatg	acctgagagc	atccccattt	agtgagaat	14220
gagacaggag	accacataca	cattcagacc	aaaagagaaa	gtcattattg	acaggttgac	14280
cttaggaat	ctgagcatgg	agatgaaaga	gaaagagcag	agaactagt	ttgactcagg	14340
cacagaaagg	ttcttacact	gagaactaag	gtattagaga	atcagctgag	ccaaggcctt	14400
gggacagggg	cagtagcacc	tgtctccagg	atccctctag	ttactgtcta	tcctccacag	14460
gcttgtagag	gagttcatgc	tcttgcccaa	catggcggtg	gcccacaaga	tcttccgcac	14520
cttccctgag	caggccctgc	tgcgcgggca	tccccacca	cagacgaaga	tgctcagtga	14580
cctgggtggag	ttctgtgacc	agatggggct	gccatggat	gtcagctctg	cagggggcct	14640
aaatgtgagt	gctagtgggc	aggtaatggg	aagacctgct	tggagaaaag	agattaaagc	14700
ctagaagttg	ggctggtggt	gacttgtctg	cttccatgta	gccactccct	atgtagccag	14760
gtcagttctc	ctgcggttgg	agaagatggc	atccactagg	ggtaggctct	attatcaggt	14820
ctgtaccaag	ggagctattt	caaggtgtag	ccacttgcatt	ggcctctagc	aaggactgga	14880
ctggtccttg	ctgagccagg	gtaacaggaa	gcaagggaatc	tttcttagag	ggaagcactt	14940
cacatgtttc	cttctcagag	gtaagcttta	tgaggctgca	gaaccagtg	ccttgctcat	15000
cccacaaaa	ggagatctcc	cacctatgtt	ccaagatgga	ggtgggtgtg	aagtaggcaa	15060
aggattcctc	taataaagag	agctggccta	ttgtaagcat	ggaagatctt	aggcccattg	15120
tatgacacag	actatggatc	acagctctta	cacctgcag	gtagtcaaca	tggcccatag	15180
cctgggaacc	cctctctacc	ttccccaaaa	tgggatcaag	cctgtttcca	aggccaacca	15240
tatctcatac	aggtttctgg	ggtttacttc	tagaaaagcc	tgactaagac	atttggagat	15300
gacaagtact	ccttgcccg	gaaggaggtg	ctcaccaaca	tgtactcccg	gccccgcag	15360
gtaaggaggg	gccacccag	ccctgatctc	cagtagtacc	ctagactctg	gctggcaagc	15420
accacgtgta	catagcccac	tactgtcttg	ctctgctctg	ggatctactg	gatagagagg	15480
cgctgaggaa	cactatctgg	caagaaaagc	tgcagtcaca	cctgggacag	gcgcactgag	15540
ctccagaaga	aatctatcct	ctgtgctgaa	aagcaggctc	catccctcag	gagctgtatg	15600
gcctgtggct	gctagagacc	ccaggcaaga	gaaaaggctc	ccatctctac	tgtagctgca	15660
gtctgcagga	gaatcagttc	gcttcgagct	tgggcccattg	ttcccagca	agtgcagct	15720
aggagataga	tgggctggct	cctagcaggc	tgtcacagcc	ctccagccta	cactgcagtc	15780
tctgcagggc	ctaagcatcc	ttgggatggg	agccatctca	gtagattggc	aggtcaattg	15840
gcgtcacagg	tactaatggg	gtcagctgtg	ggccccagca	cttgccaggg	cagtggcagg	15900
ccatttttca	agggtcactc	tcaacagatt	caacttgttc	atgagagtca	ggtagccctca	15960
gccagccaca	gctgatttat	ttcctgataa	ctcctggctc	tactaggaat	ggagccatca	16020
gggcggttcg	gggacttggc	tgcctgttcc	ccacctacc	acctacccta	gacagtgcac	16080
acaagaccct	aggctgtgcc	ctgtggagtg	ctgtcccac	caggattctg	atggcaagga	16140
ctaagtggca	agtgcagggg	acaggtcagg	gcacagcaac	agcagcaca	cagtggggag	16200
tgaggcctgg	ttcccagag	agctgctgaa	acaggacaca	agctgtccca	gtggtctctg	16260
gccactacag	agaagccatg	attgttgccc	tgccagaga	tagctacact	gaccaaggag	16320
gagccttgac	ctcttttctc	cctcacgtg	cctttctgag	gaactgagcc	accactgaaa	16380
acaaagataa	acatgactta	ctatgaagac	tatgcctctc	gtccccagca	actgtcccca	16440
gatgtagctc	aagatccagc	agggggctgt	gctctgagtt	ctagggctat	gtacatggag	16500
taaccagaaa	aggatgtcat	ttggccaggg	attctggagc	tttcaaagaa	gtgaacatcc	16560
ttctaggcaa	cagctgctga	ttccaaaggc	gtgatggctg	aagccagacc	tcatctaggt	16620
tgttcttagg	ttgcagcggc	tcagtggttc	ccttggtcca	ggtctcttag	acctgtggat	16680
caccgtggac	agttgttcag	gagcaaaactg	atgcaggctg	gcaagctaac	aaactaccct	16740
cttgactggc	atatgctaga	gtattgtact	gtacttgtac	ttgtggctag	tgtgaccatc	16800
aaactgggaag	agatcagagc	cagaggaat	atggttggtc	cagccagaag	ctgagggaac	16860
ttacgggctg	ctctcccttg	gaggttggca	tcttggtctg	ggcaggagac	tgcgggacc	16920
tcagtttctg	cttgtgtctc	cagaagacaa	ttcacagccc	tggggcaaca	tggccatag	16980
ttttcttata	tgcaatcatc	ttgaccagg	gtgactgtct	ggatcctaag	gaaaattatt	17040
ccacagcaac	tcctctgcat	cattcctggt	agggactcag	caaccatagg	ccttaaggag	17100
gaagagccct	tgcacagctg	ccctggtggc	tagtcccaca	gtgctagagg	ccaccagca	17160
tcctgagggc	ttccagcctc	ccatgcccac	cagaggcata	gcttctctgag	ctgttgcgag	

gcgcgtttgc	tgacgtcata	gtgcaccgcc	tcctggctgc	tgctctgggt	aaggacatg	17640
actctggcct	gggaagacct	ttgctggtcg	agagttaccc	actctcagag	taagtacca	17700
cattactgtt	atcatggaca	tgccgagggg	cagagaagcc	taagtctgaa	cactgtcgat	17760
ccaaccccag	atgatggaag	ctttagtgag	acttattgca	agcgcggggac	catatatggt	17820
ccagagacct	tgccctcagca	cacaaccgtc	cttatcccca	tactagcaac	cctggctgcc	17880
ctctcctcca	ggctacagtg	aacagccaga	tgtggagcct	gataccctac	agaagcaagc	17940
tgaccactgc	aatgaccgtc	gcatggcttc	caaacgtgtg	caggagctca	gcatcggcct	18000
cttcttcgca	gttctagtaa	aggtgagtg	ccagctggc	cccttctctc	tccctttcc	18060
ctgtcctccg	atgaatggag	caccagtgca	ggtcctccct	gggaggatgc	cacgatgcat	18120
tgttcctaca	ggagagtggc	ccctggagt	ccgaagccat	ggtgatgggt	gtcctgaacc	18180
aagctttcga	cgtgctgggt	ctgcgctttg	gggtgcagaa	gcgcatctac	tgcaatgtga	18240
gtatccctgg	tatgaatggg	aggcctgcac	ctacaggcaa	aaccaaacc	attttcccg	18300
ctgtgtctag	ttccttgttg	gggaaatatt	cccctggctc	agaatatccc	atgatatgtt	18360
cacaggtgta	aatggtggga	tcaactgag	ctccctctcg	tccctggcca	ttagctatgc	18420
agggcccaca	gactgcatcc	tatagcagtg	agtttactg	gcatgtggca	agaaagggtc	18480
cagacccctg	aacccaagta	ggcctgccc	ggacagggcc	tcaggccaag	ggtcaagctc	18540
gaactcttcc	ttaaaagccc	aggcactcag	aacataacca	ggatggcagg	gtgtgggacc	18600
tgttatgttc	ttatagaaac	atgcagaag	ggaggccaga	gggtagccag	cactgctctg	18660
gcactgtgtg	ccccaacag	aaacaagagg	cccatcctgc	cttggcttct	tccctggatg	18720
acagtttatt	caaagtcctc	ttggtgcctt	ctgtaatgtc	acttgggggg	ctttgcttta	18780
gctgctctgt	ggtcaccaag	tcaccacctg	gctcctaccc	ctggctttga	acttcttaca	18840
tacacttggg	gaagtgtgga	accctgcact	ggaagagaca	caggattcat	gaaagaggca	18900
gaacaggaaa	gggccaagt	cagctggaac	taccagacac	ctgtagttac	ctggctctca	18960
gcctgggtgg	caggtctatc	accaacagcc	taggcagatc	tcttctcttt	gctacagtca	19020
ccaccctccc	acattgtccc	ttggaattgg	gtcaccttca	ggttctactt	tgaccaagg	19080
tgacttagca	gaacctccta	aatctggctg	aggtggacca	aggatagggg	gctgggggat	19140
gtctctgtcc	aagcaggcag	ctacagtaag	gcagccggt	caagctccc	tccagcagt	19200
cagaaatagg	caggcagggc	agaagaggtg	ctgaagccc	atagcctgag	gctccggtgt	19260
gtccccctgc	ccccaggcac	tggccctgcg	atcctacagc	ttccagaagg	tggggaagaa	19320
gccagagctc	actcttgttt	gggagcctga	tgacctgaa	gaggagccaa	cacagcaggt	19380
cagtccctcg	ctgtgtccct	aagcctacct	ctgtctcaaa	cgtgtgcccc	taggtcctca	19440
tctgccctca	tttctcccca	gcaccatagg	ttccctgtg	ggattccacc	aagcctggc	19500
ttagactgcc	aggttctata	tgggaacacc	cactatggca	gtggttctca	accttctctga	19560
tgcagcgacc	cttaacacag	ttcctcatgc	tgtggtgaca	cccttcccc	agccattaaa	19620
ttattttcgt	tgctacttca	taactataag	tttgctgctg	ttataaatcc	aatgtaaa	19680
tttttgagca	tagaggcaaa	gggtctcgaa	cgacaggttg	ggagctgctg	ctctataggt	19740
agataggtgc	tattcctctc	ccctgaacag	aacttttcag	aaattttgag	aagctgataa	19800
aagcttcttt	tatccctctt	gttccaaagg	ctggcccagc	ccagctcggc	ccggcccagc	19860
ctgttttctt	gctcctcg	aatggctact	gaataacaaa	tgtctacata	gtgccattta	19920
gcctactggt	tttcccaga	cccaatgaat	cccatttaca	gataggcgat	agaggctcgg	19980
gaagttaagt	gagcctcagt	ggctcagttg	ctttgatgtc	aggccctcac	ctgcctgtc	20040
ctctcctgtt	cctggctctg	ctacaggtca	tcaccatctt	cagcctgggtg	gatgtgggtc	20100
tgcaggcaga	ggccacagcc	ctcaagtaca	gtgctatcct	gaagcgacca	ggcctggaga	20160
agggctctga	tgaggagcct	gaggactgaa	tgtacagcca	agccaggcct	gtgcctggcc	20220
taccctgtcg	gcttttagga	ataggacctt	ttgacaccaa	aggggatttt	taatttgggt	20280
tttaacaact	caggggtttg	tttttatttt	tatttttctt	tttattttac	ttttgcagct	20340
cagtttttaa	atgaactgga	aggttagggg	tcagggcagg	ggatgctgag	gcctggcctg	20400
tgcttccctg	agcagagagg	atcccagtc	tcctgggcag	gcagcccgcc	ttctaccagg	20460
cgaccactcg	cccttccctg	cccaggaaat	ggggggtttc	agcaaatcag	tgtcatggaa	20520
taaaatcaag	tgtgaattgc	tgtctgtgta	gatgccatgg	gcaagcatgg	cagctgggtg	20580
gcctgtcac	gagggcaagg	ggctccctag	aatccacctc	acagctgagc	tggggtcatc	20640
agctcaggac	cttcttgcca	gctccagggt	gattcacgag	ccatgtgtg	cagattgatg	20700
ctcgagcctc	cttctagctg	attaaaaatg	taattagtat	gcacagtagg	gagctgccag	20760
tcaccctgtg	catgtggctg	tggccctccc	tccccgcct	tctctctgt	tgccagccca	20820
tgggatgtgg	ggaggtggga	ctaccacctc	tcttcttata	tatcataggc	caaagctccc	20880
aggagccctg	ttcacagcta	tgtatgagt	aggtacctca	atacctgcag	tttcaaacat	20940
gtaccctaaa	aggtaaaggc	agaccttcca	gagggcagga			

accacgccc	cctgccttgg	gtccttgtc	agcctcacac	agccttcagc	tgcttgtct	21420
cccacccctt	aggtctccct	tctgtctcca	ttcccagacc	agcatatctg	gataggcaga	21480
gcagtgatgg	atgggtggtt	agtatctggg	taaagaagac	tctgggtgctt	tgccaatcct	21540
ggatctctag	actaaaggct	catcccacaa	atctgaggag	gagctagctt	ctctgtctggg	21600
ccaaaccg	gcttccaaga	cctcctttca	ctgcctcctt	cagaatcctt	aaggaagctg	21660
tggctcgagt	actgggttct	ctcaagacac	agagggtggc	gagacacggc	ctccccaacc	21720
ctcgtgagga	acagcttacc	agtcagtaag	gaaagttttt	gcagagtgaa	cgtgtcttag	21780
aggcaggcac	tgactagaa	acttctataa	caggcttgtc	ccaccctcag	gttggacatc	21840
atgttactga	gaactctgag	ccatagcagt	cctgggttgc	cctaacctgt	ctgacaaatg	21900
gaagtctcag	gtctccatct	gagggtggtc	agccaggccg	ccctggccag	gacttgagcc	21960
acctgtctc	tgttgccctc	cagtggctct	gtcatcttcc	cacagcacca	gctgagtcac	22020
ttctctttgt	gtttgttcac	ccagcactga	gtcagagaac	tgatagaacg	tgtgtccaca	22080
caccactcag	tgtggcagtt	ggcaccgaac	actaagggca	ctgctggcag	aagagatgac	22140
aagaaataaa	cgaagtactc	actcatcagc	tatccaagac	acctgcctgc	actataggct	22200
aaagcacacg	gcacagacga	gtcactggc	ttttcctcag	tggcctgtca	ggttcacatg	22260
gaaggaagac	agacacaaatc	tcaacttgat	tggggctctca	aaaagctcag	aagcaggcag	22320
tattgtccca	ggggaaaatg	gagcaggttg	tgggtccagc	atggatgaga	aagttaaagta	22380
ttaattaatg	gttgtaacct	gccctcctgg	ggagagaggc	tgacaccctg	cacagtccta	22440
cttagcaaag	agccttgga	aggacttcag	tgggccagg	atggcagtc	accggaagct	22500
ggagcacagc	acactggagg	tatggtaaga	gggagctggt	gccaggcaga	ggcatcccag	22560
atgcataccg	caacagccag	tgaggatacc	cactgcacca	ccatgccagc	tagccactaa	22620
agcagccagt	gagggcagtc	cagggtgagag	gaggaaggcc	tgagaggaga	aaaaaaatat	22680
ccaaaacctt	ggggtgggtg	gtgtcccaaa	actgaggcag	ctagaaggca	gtgggagcag	22740
ccagatcctg	cagtgctctc	tgttcggaat	ggggcaggcc	tatgaggagag	agagggctga	22800
gccatagggc	actggtgact	cagtgagatg	gaaagaggga	ccaagtgtag	aacagctgga	22860
ccatgagaag	agagcatgca	gggcagttca	agaaccttag	aagaggccat	gtgggcagag	22920
tggggctcca	gaagagggta	ttgcagtcaa	tgggagctag	gagcctggag	ccagatctcc	22980
ctctgtgaag	gttattgatt	atcagtttct	gaaggataca	aaacatccac	tctcactacc	23040
tccccaaagac	cagcaaaggc	accaatgagc	ttgtgttcag	ggatccattg	tgaggggaaa	23100
tgggaaaata	aaggaggacg	ttaccctggt	agctgagagt	gagccagcag	tccctgttag	23160
actggagaaa	ggcagtagc	aggccatcca	caaagaatgc	tgaaggaccg	agctgcagta	23220
ctgcacagca	tccaacaagg	ctgggctgct	ctgggctggg	ggtggagaag	gatggctaca	23280
gaagtcagtg	ttgccacttg	agtaataaaa	ctgacctctt	cccacaccag	caggcaagag	23340
agcgatcatc	ggagagtcac	caggcctggt	agaatctcct	gtgataggac	cccatgagat	23400
gcagcagagg	gctgctgcag	gatccagtca	gccctcaggc	cttcagcagc	caggcaggag	23460
attgaaaaca	tcttctccgg	ggccctcctg	tccccacatg	aaatacaaac	ttggcagcag	23520
agtttcccca	gtgagatccc	agccaggcct	ctcatgggga	atcagcctgc	caagtcccta	23580
gggtactttg	gcttctagtc	actttgtgag	tcctatctgt	aaataaaagt	aaccagggaa	23640
acttctcttt	aaaaggaaaa	taggtcctat	ggagaaaaac	gatcacacag	agaaaaatgaa	23700
gttatcactg	acattttcaa	ggaaatgaga	ggcatggaaa	aacaaggact	agatggctag	23760
acaccaaaga	aagggtggtg	gatgtagccc	agccagtaaa	ggtaccaggt	gctaaccctg	23820
ccaacacggg	ttcagtccca	gggtcctatg	caagagcagc	caactgtggt	tgctatgtaa	23880
tgtccataag	gcgtcttttg	agtgttcaaa	gtatctaagc	tcccatgaag	gccatccagc	23940
tggctgcttg	gctaatatcc	ttaaacatcc	aagggtccag	agaaggatat	agttacagtt	24000
aaatccccct	ggctcacaac	atcttaactt	atttgaaaaa	aaaaatatct	gagcatggca	24060
gctcacacct	gaaatctcag	catttgggag	cctgaggcag	gagggattgcc	atgcatgtga	24120
ggccaactctg	ggttacacag	taaataactaa	tcagactacg	tacaagacta	tgtagatata	24180
ctatgtagca	agactgtcag	aaaggaaaaa	taaacattaa	agaggtaatt	agagtaaacg	24240
cccaccatta	actgtaatgg	tatttaatat	tgttcaaccc	tcaaccaaatt	gtccctggga	24300
ggagttggat	tattttatgt	ctcatacacc	taaacagtag	catcagtgcg	ctcaggattg	24360
aggagcaggc	cagcaccacc	aggggtgaga	ggcatccgat	ctagaagatc	cctgcctgag	24420
gtagccggta	agtgaagtgg	ctcagagaaa	gtcaagtcac	ggacagactc	caagattaga	24480
ctgacactaa	gtgcactgaa	aacaacccta	tctgacagta	aggaacgtat	tgggtatgag	24540
tggggaagca	agtacaagaa	agaaaagcct	ttccctggtc	tttaccctgg	catcctggc	24600
aacagcagta	catcctaaaga	taaacactga	gtgagaatct	acaaactgct	ctggggccat	24660
attgagagga	tgaggagatg	ggacacatga	gtagccagtt	cactcttcag	tggaaggttc	24720
tggggagcta	aagggtggctg	cagattcatt	gcctaccac	caccaccaca	caccctgttc	24780
ttgtccttcc	tcttgaatca	gagcagagtc	ttcagctgct	gagctcagat	acagcggaag	24840
tgatgttgca	ctgtctccgg	ccatgctgag	agtgccacag	cagagctgtg	agaaagtttg	24900
ggctccctcg	tactccagct	cagaggcctc	ttagagatgc	atgcccaacc	cccacagaac	24960
caccacgtgg	tggccttgtg	gaggaaacac	aaagtcctca	gaagacccct	tccaaattac	25020
acatttctat	cagcttttaa	aaaaaatgtt	ggttgttcag	tgatagttca	tgacataata	25080
ttacgcagaaa	atgtcagtaa	atacagctga	aaactggaaa	tgaaagggtg	gagagatggc	25140

tcagcagtta	agagcactga	ctgcacttct	gaaggtcctg	agttcaaate	tcagcaacca	25200
catggtggct	tcacaacccat	ctgtaatgag	atctgatgcc	ctcttctggt	gtgtctgaag	25260
acagctagt	ttcttacata	taataataaa	taaattcttg	ggccagagtg	agtggggcca	25320
gagcaagtgg	ggctggagtg	agcagaggtc	ctgagttcaa	ttcccatcaa	ccacatgatg	25380
gcccacacca	tctgttcagc	tacagtctac	tcatatacat	aaaataaatc	ttaataaaaa	25440
actgaaaaag	aagaaatggt	tgttttcatt	tgtctgttat	tctgagaggt	gtgggtttta	25500
caaatagtgg	taactataaa	aaatttaaaa	cccatgcaga	ttgggggtgg	actagggaaa	25560
tggctcagta	aatcaagtgc	tttccacaca	caggagatgc	actggagctc	tgatcctctg	25620
aactcctaca	caagcaggcg	gccctggcag	ctgcctgaca	tccccgcact	cagaggccct	25680
ggtgaactga	ctagctagac	tagcgggacc	cgtgagctct	gggctcagac	agagatcctg	25740
actatagaaa	gtagaaatca	accaggggag	gggtctgcct	tcaactttgg	gatgccacat	25800
tcaaccacat	gctcatgcac	acacacgcac	gcacgcgcgc	gcgcgcacgc	gcacacacac	25860
acacacacac	acacacacta	aataccaaga	ggggacgtgg	ttgcctccaa	gatggaaaaat	25920
gcatctagga	gcatgaagtg	ctctcccat	ttgttttaat	aaacttgcca	gatccatttg	25980
acactttaca	tctgtgtata	atttcaattt	aaaaaactaa	aagtaggggg	gaaggctgtt	26040
tatatattagc	cagaatggat	ccacaattgg	tctaaaagct	ttcctgtaca	ttcagcaagg	26100
agtgatttaa	acaatccatt	attctagtaa	ctaagataaa	atccctgctg	acaggcacc	26160
tggatttccc	agaccattaa	aatgcttcca	taaagtctgc	ttaaagacac	aggtagcagg	26220
ccaggtgggtg	acacatcctg	gctgcctcag	cagaccttgc	aggtctaggt	gtggagccca	26280
gagtggtggg	cagccctggg	gcaacacagg	cagacctctg	gaggcctgcg	gaggtggcat	26340
ggcagacgac	actgtaggca	gcttgcagaa	gagctggcca	ggggccttaa	aggacatcag	26400
ctaaaaggcct	ctgtggaccg	aaagcacagg	cttgagggat	tatttggagt	cggggttggg	26460
atgaaaggaa	ttgacacaga	ttaaagaatc	aactccactc	tgggtgggtgc	cagaacaaag	26520
gtgatgcttt	gtataacgat	gaagaaagtt	ctagaactag	ggggcagctc	catgatagaa	26580
cacctgctta	gcaggtaaaa	agagtccagg	tcagctcttg	gcacaacccc	cttaagaagg	26640
aaggttctag	agaaaggggt	gttctggacc	tgagaaaatt	agcttgaatt	tgcatataag	26700
taaattatgt	ttataagttg	aaactcttac	cgtggccctg	gagagtggct	cactcagtta	26760
gttagctgct	cttcagaag	actcaggttt	gagtccagtg	actcacagct	atccataact	26820
ccagtcccac	agagatctga	taacctctgg	cctcctcagg	cacgcaccag	gcacacatgt	26880
gatacacaga	catacataca	ggcataccat	gaaaataaat	tttaaagaat	taactgtaac	26940
caggtctggt	agcacatccc	tgtaatccca	gctgctcaaa	gggctgaggc	agtaggagag	27000
caagttcaag	tctggctttg	gctacagagc	ctgtgagtta	aagcccaggc	aacttagcaa	27060
gaccagctct	caaaacagaa	attataggca	ggaggtacct	ggagccatag	ctgaggatgg	27120
gtactggcca	ggcctgtgtg	agttccccaa	gttctattct	cattcctgaa	aaaaaaaaaa	27180
caacaaaaaa	aaaaacataa	gtggtcagtt	aaaccttagg	ataagataat	ctctttgaac	27240
ctgctctgcc	tttttgtgag	cttttatgat	tatcaagggg	ttctttctct	agtatataaa	27300
gccatcttag	ggggtgaagat	ctatttaagt	catttatatt	acttaaaacg	gtcattttac	27360
tcaagcaggt	tcatgaactt	cactgtgttc	cacagtgttc	ctaaattgta	cagttctgga	27420
aagcagttag	ccaaatacca	agaaaatgaa	tgacagaatag	agtgaggaa	aaaggcggcc	27480
cttcagcata	ttttacctta	atagattttc	cagctaataa	gactgctgct	ggagggagag	27540
tgtctcccg	gtgctcctga	caccaagtca	cagaagaaat	taccgaatgc	ggcactggag	27600
acctaggact	ttgcattcct	ccatgccagc	agaagcaggt	atcactcaga	aggatgacag	27660
gggtggggga	gggtactcag	cagataaagg	acttccacaa	aagcctgatg	acctgagttc	27720
aatcccatc	acccactttt	tttttttaaa	gagaggaagg	agagaactga	ctgcagttgc	27780
cctctgactt	ccatgtgttc	cccaaggcga	gcaacacacc	acatcataca	catcacaata	27840
atacattttt	aaaggatgac	tttgagctac	acctgccaac	tgtccctgat	gctgccacca	27900
ctacaactag	acagaggagg	tcttgcctgg	tgggtaagtg	aacagtcaag	ggtgcccacg	27960
gagagccact	tctgccaggc	ccactcctga	actcctaggt	cctcacgggc	tcagaccctc	28020
ttgctccgc	tgaagctgca	gaagggactc	agctgtgcac	tgtctcctcc	cccagggacc	28080
atggggcgtg	gtgagggaaa	ggggactgtc	tcttgccttg	gtggtagatc	agtctccttc	28140
ctgttctcac	accagagccc	agggatggac	tcagggtgatg	agagagtggg	gaaaggatct	28200
acccacagcc	ccctctaaag	accccatagc	agccccagga	cataagtaca	gaagagctgg	28260
gctgggctat	gcatttgctt	tatacatattg	agtcaggaag	gtgggcttat	ggtacacagc	28320
tgagcaagga	ggcagattta	gctcatcttt	ataagaggtc	tctgtagggg	agcagcttta	28380
ggctgcagtt	atcccagagg	aggaaagctga	tagcttctac	atggactgtt	aaaatttgca	28440
ttcagaccag	ggaaaggctt	tgccacccct	ctgagcttca	ctgggggaagg	cttcgccact	28500
ccatgggcct	gatgcgttgg	aatccatgac	agctcagccc	atgtcaacaa	cacacattca	28560
cttagggttt	catctgctcc	tttcatgtaa	cacaaggctg	cttctgctac	gtgtggggat	28620
ttggagagta	tatttcttgc	tggaaatgaa	tgatcaaagc	aaggccccc	ctcctaggct	28680
ctatcaggat	agaagggtca	ctaccagaat	gagccacctc	ctcactgacg	gttggctcca	28740
cttgacggcc	ttccaggatt	ccaagacttg	gttctttgtt	ctgaagctca	gggtatagct	28800
tcctctacct	ccacacacag	cccctaacc	ttcagtgcac	agtgaaccac	taagatctcc	28860
cactatgtcc	ccatagcagc	cctggagtac	aggtcctgtc	tcttgcccat	tctcaggtga	28920

gagaacacctag	gctcagagag	atgacacttc	agaagataat	cagaaaaatgg	tggagggtgat	28980
tgggagctca	gatccaaaat	gcactgcatt	tctttatttag	atattttttaa	ttctaacggt	29040
gtacctgggt	gtttgggctg	catgtgtgtc	tgtgcatatc	accgctgtgc	ctgctgccca	29100
cagaagccag	aagagggtgt	tggattttctt	tctttcaatt	agtacttctc	aaaattcaac	29160
tattcatgta	tcactttaat	gattttttttt	tttttgccat	agccacataa	tggcctgtgg	29220
tcataattat	ttaatgtttt	tcattaaaca	agcttaggcc	ttctcttgaa	ataattagaa	29280
aggaaaactt	acagttacca	aaaaatagag	ggccagctgg	gggtttagca	agagttggta	29340
cabgtgtcac	ctcgtatgca	caaagccctg	gcttcacccc	ccagtaccca	gagcttggga	29400
gaggaaaggc	aggatcaaga	gttcaaggac	atggccaggc	atggtggggc	atgcctttta	29460
tcccagaggc	agacagatct	atgtgagttt	gcattcatcc	tggctctgca	agtgagttt	29520
ggacagccag	ggctctgtta	catagagaaa	ccctgtatcg	aaaaataaaa	aaacaaacaa	29580
acaacaacag	caaaagagct	taaggtcac	tctggctgta	tagcaagttt	gagcccggt	29640
gggctataca	agaccatctt	aagaggggag	aggaagggga	agaaaaagag	gaaacaagaa	29700
aggagataaa	agaaggtggg	gggagtaacc	agaacgcatt	atataaattg	atgaaattgt	29760
caaagaacta	agttaattaa	aaagcaggaa	gaccacatc	accagctctg	agtgaaggc	29820
agctgtgtat	tctaagcctt	caaatgagag	tgtgagttct	tgtctcgggg	ctctgcttca	29880
aaagagatgg	taaagttagt	acaatgttag	agaatttcag	gaaccaactg	cgatcctttc	29940
ctcgatatca	tcaaaggggt	ggagagagag	accaacaacg	ctccatagca	caggcccatc	30000
actcatgtgc	ctgagaagct	ggagccaagg	atctgtctct	tcaagactcc	atctcaataa	30060
tggttcagtg	acatttttatg	cccattgggtg	atagctaaac	tagccccatt	tcacttaaaa	30120
gcccacacct	ggcaccgtag	tttgtctctgt	cttgcaaaaa	atgccgggtc	agatggagat	30180
aagaaccgtg	gcaggaacag	atgcatctga	tctcagtcac	actgccaacc	tattcctttc	30240
tcttgaggca	gtctatgctg	aggagtgtctg	gctagacca	gtggtaacaca	gtgaagacc	30300
atgactggcc	ttctcccaga	attcccagca	agaggcattg	agcccataaa	gtccccctc	30360
cagccatgac	taattttttga	cagtgtccat	cttctgatat	cccttgaagg	taactacagc	30420
ttctgtgagt	ttatgattgt	gatgactgtg	gcattgtcaa	aggatggcat	ttgcaagtcc	30480
tctctgcctt	ctggcttgca	ttttctcttc	ttcctcccc	accttgttcc	ccaagcctta	30540
ggagagtggc	atctgtgtct	tgttcagagc	tgagcactca	gccaccattt	cttctcagtg	30600
cctgggcctc	acatgcagtc	cttgggcagt	ggttggttgg	tccagtaaca	aataggcatg	30660
tcttgccctg	caggtcttat	ctagctctgg	tgggtttcca	agcactgtagc	aagaagagtc	30720
tgcactgttt	tgggagcttc	tggagcatcc	ctgaccaatg	actgacatgg	aagtgtcca	30780
aacctcctgc	ttctgggggt	tctgtttagt	aaccacagc	ctctaggaac	agtgttatcc	30840
agacatgtag	ggtatctctc	ttctaattgtg	tgcgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	30900
tgtgtataat	tgtgtctaaa	tatagtaagt	ttacacactt	gttttggtta	accaccccca	30960
cccaccccg	tcttccccac	ttctttctct	aattaaatct	ttccactcca	aagagcatta	31020
ctgctattgc	agagaacatg	ggtttgcttc	ccagaaccca	cttggcagct	tacagccata	31080
gtaactacag	ttctggggag	tccagtaacc	ccttctggcc	cctgcctgca	ccagatacac	31140
acacacacac	acacacacac	acacacacac	acacacatat	catacactta	gatacctgca	31200
ggcaagacat	tgttacctat	aaactaaaaa	ctaaattcta	aacaaaaaaa	aaatttccac	31260
tcaaagtctt	cacctctctc	gttttcaact	tatctgtgtc	ttgtatccc	ttctccctta	31320
aagggaagaa	ggacagaggg	aggaggggag	gaggagggaag	ggagagaggg	agagagagaa	31380
agagagagac	agactcctag	tttctctggc	tccacaagtg	ctccaaggta	agcatgcata	31440
actaaagaat	caaagctaag	taagggtctg	agagatggtt	cagtgggtta	gagcaatgac	31500
tgtctttcca	aaggctctga	gttcagtttc	cacatggtgg	ctcacaacca	tctgtactga	31560
gatctgggtg	cctctttctg	cctccaggta	tcatgcagg	agaaatgctg	tatacatgat	31620
aaaaataatc	ttacataaaa	agaaatcaa	ctaagagcca	tatgaagga	tgtaacagca	31680
tcttctctgg	cctgagcaac	actatatata	tttttccagt	tccatatgtt	tacctatgaa	31740
taaaattcat	aagtatatat	gctttgttaa	aaataacaaa	acatttcagg	atagccaggg	31800
ctacccagag	aaactgtctt	taaataaata	aaacaaaaca	aaacaaaaca	aaacagatac	31860
caaatccaca	agcagtccaa	tcaatactga	aacgtgggtt	ttgcaagcta	ccggggtttt	31920
aatcatctta	acgtttcttt	ctctttccat	ctttccactt	ctttcctgcc	cttcttcagc	31980
ttgagctttc	ctcgccactg	acgtcagcct	tgtcctcctc	acatctctct	tcccactgca	32040
ggcctcatcc	tgaacctctc	ctctcaccct	tctcaggctc	ctctcccctc	accatatcac	32100
ccacagcatc	accttctctg	agcccagctc	ggaccttctc	ggctctctaa	agtcagctgg	32160
gggaggggct	tgcaggcctc	aggttagtcc	tagttaaaca	gagctagcct	tttcagacaa	32220
ctgatctcct	tcaaaagacc	caactactgc	cttccgtttc	cccgtgaagt	cagatgttaa	32280
cctgtccaga	ccttcaaaag	tctactgccc	tctgagcttg	agctttttca	gtgtgggtaa	32340
tgg						

aaccctgect	tgactacttt	tctattgtctc	taaggaggca	acatggccac	agcaacttgt	32760
aaaagcattt	aatttggggt	tgacagtttc	tcagaggttg	aatccatgac	catcatgggtg	32820
ggagcatacc	cggaggcagg	catggtggac	aggcagtcgt	gggatggctc	tggagctgtt	32880
gcagagcact	tatttgctga	ttgaaagctc	aaagcctacc	cccagtgaca	cacctcctcc	32940
aacaggggcca	caccccctaa	tccttctcaa	acagttccac	caagtattca	aatatatgag	33000
cctatagggg	ccattctcat	tcaaacccca	ccccaccacc	cgtggcccta	ctaagggcac	33060
cagatagggc	ctatggaaaa	gttataaaacc	ctctcaccac	cactctgggt	tccagcaacc	33120
caaggccacc	attttctact	cttgcttaac	caacaccacc	caggatctct	cagcctcagc	33180
ctggaatgag	ggaaccctct	tgtctctttt	cattcaactc	cgtattcttc	cttcattcca	33240
cccatggatg	gaaagattca	ccccctccac	tgtagagtaa	cacacacgta	tgacaagcca	33300
cttactgcc	ctgcatctta	cttctgctct	gaagttctgt	cagccaaaac	gtattgagca	33360
ctgaagactg	tcagttgctg	ctttgtgtgg	tggttacaag	ttaaggtccg	actgtagctg	33420
tctgcttgct	ggagagactg	ggaaccagta	gttgcttagc	ccatggggct	ggagacctca	33480
gcagttccag	tgtggttctg	aggagaaccc	attccagcag	cagcagaggt	agccacagga	33540
tagcttgact	cacaagactc	atgaactcaa	gaagaggaga	gatgaacttg	taagcagggt	33600
atgtgagctc	acacctgagc	ggtgaaggca	agcaggtaac	aagagcttcc	cctcggacct	33660
tctgtctggg	ccatctacac	tcagatgggc	ctcccacttc	atttactaga	agcaagcaaa	33720
tcctctcag	gctgtctgag	gttaacctaa	tcggcataac	gcctcatagg	tgtaccaga	33780
gcttgtcccg	tgatactaga	tcctgtcagg	ttgaaaatgt	taaccatctc	aagggtcgta	33840
cacattccaa	aaaggcactg	tgttggtat	tcttggtgtg	caacttgact	acatctggaa	33900
ttaactaaaa	cccaagtga	tgagtatgcc	tgggagggag	attttcttaa	gtcatttgaa	33960
gtgggaagac	ccacttttaa	tccagaactt	ctaaggtggg	cagattcacc	tttaatcagc	34020
ctatttcaat	gacatggagg	atggaagttt	gttctctttg	cctgctagcc	cttgttggca	34080
agtccatcac	ttcactgaac	caaagcctgt	aaggcattct	tcctttgttt	gttgggacag	34140
ggtttctgt	agccctggct	atcctggat	tcagttgta	aaccaggctg	gccttgacct	34200
cagagatcca	agtgctctctg	cttcccaagt	gctgggatca	aaggctctgaa	ccactaataa	34260
attgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtacaca	tatatatgag	34320
agggagtga	agagagagtc	attctgtaaa	ttctgttctt	ctgagaaccc	tgactaataa	34380
agctgcagac	tgcttagtat	cctttttgtt	ctctttgggg	acacacacaa	atgagtgaac	34440
ggactacagt	gggcaacatt	cttctatgtc	tgggtggctgc	cctggggctg	tttagtccac	34500
ccttgtgtga	ggactctttt	gctctcaagt	gctggcatct	gacctgtgcc	cttttaaata	34560
tgttgtctaat	tttgtctctg	gggttccaag	tagagacttt	tcagtgatct	ttcctcatga	34620
tgaaaatggg	tgatctgtta	ttggaagtcc	ttggcctaag	caagctctga	tttaatacta	34680
ctatatcatg	tgtcttctca	atctatgtct	ccgggtccct	gagcattgct	gtactgaact	34740
atgggtcatt	tgttcattaa	tctgggtcaa	tccatgttca	caatgatgat	ttgataaagg	34800
ctgaaaatgt	gaagtggatg	gtaacagttc	tgtgccctgg	attccaacaa	agagatgcat	34860
gctcctccag	cccactctgg	gtgactctag	gggacggaga	caagggtctt	acagagatgt	34920
cagagtatct	gactccttga	cagctagtgg	cctcacaggg	agactcatca	ggggtcaatg	34980
ctctttctgg	taagatgaac	tccagctcac	cctgcatctt	gatctgtcca	cactgcttgg	35040
tgttgagact	tcctgtagcc	atgtaaagtg	ggacatctgg	cctactggtg	attctctaa	35100
aaggaatttc	caccaagcag	gacacctgaa	cactttctta	acattgactc	ttactttggc	35160
taccaaaga	agcctttgag	ccctatgtgg	tagcacagac	ctgcaatccc	agtactcagg	35220
aggtagatga	ggtggatctg	gagttctagg	tcactcctgg	ttgcatagca	agtttatatt	35280
tgagcttggc	cttggctgca	tgaaaccttt	gtcttccagg	agacaaaaac	aaaaacaggc	35340
aaatttccct	taagaagctc	acactccgcc	tatccactgt	gcttgccctc	ttcccaatca	35400
ctatggcctc	ctctcctcca	ttaacgcccc	tgtctaaagg	gtcttctaaa	aatgtctttt	35460
agtaaactcc	aattctacta	catttaaaga	agggggaagg	tgagcccccac	atgctacacc	35520
ccacagttcc	agggtgctag	gcttccggct	gggggctgcc	tcttggtagt	gccttgccct	35580
ggaatgtcag	ttcagctaaa	ggcctcacac	aaaagatgaa	agccctgagt	cctcttactg	35640
cttcttagca	cacaagcagt	ttccttcaat	cccctaggtc	ttagcaggcc	ttcatcttca	35700
agggttctct	ttccctctat	tctgccttct	ctgtctctct	ctctctctct	ctctctctcc	35760
ctccctccct	ccctccctcc	ctctctccct	ctctctctcc	ctctctctcc	ctccctctct	35820
ctctctctct	ctccctccct	tcctccctcc	ctccctccct	tcctttcttt	cctttcattt	35880
tctttccctt	tttgtccctt	catgagaaaa	agcatatttg	taaatcccaa	tttaaaatat	35940
aaataaacga	aaacagtaag	tctcaaccaa	atgaggccta	aatcagccct	ggaagattag	36000
tacctgtttc	tactcaagtt	aataatttac	tctgtgtccc	tctgtgcatg	cttggcttca	36060
acagaggatc	tttaacatgg	gatgcaactt	cgccagagag	cttcagttct	caggaggcat	36120
gtggacatcg	tggaggttga	ggaggggcag	atggatgctg	ggaagcaaat	ggaaagcctg	36180
aggttccaag	tcaaactctgt	gactcacgca	gtaaggaggt	ttgagctggg	gctgcccaga	36240
ggaggagggc	tactacaggc	aatgattaag	attattgtat	ttattttatg	tatgagtaca	36300
ctgtcgttgt	ataggtgggt	gtgagccttc	atgtggttgt	tgggaattga	atttaggacc	36360
tcggctcact	ctgatcaacc	ccgtcgttcc	cagcccaagg	atttatttat	tattatacat	36420
aagtacactg	tagctgactt	cagacacacc	agaagagggc	atcagatctc	attacgggtg	36480


```

gttatgaacc accttgtggc tgctgggatt tgaactcagg accttctgaa gagaagtccg 36540
tgctcttacc cactgagcca tctcaccacc cccttaaatt gttattttta aaactatatg 36600
aaataaaactt taccatctaa atggggaggg gtgaccagtc tccgcacata ggaggtataa 36660
gggcaggaag atcagatctt aaaggtcagc ctacatgaga ccctgtctca taaaaaccaa 36720
gtaatttaata atagcaatta ataatttaata ataataggac agcagtagca ctatttgggt 36780
gctggggata cagctctagt agaacactta gccaaagggc cctaaattca atgttgagga 36840
cagccaaaaa taaaataaaa agttccatgt tgttcccccacacacacttt tttttttttt 36900
tgaatgactc tcaatgtga gccctgcctg gtctgcaatg tactatgtag cctaggctag 36960
cctcactactc aaaagagggc tagcctgccac ctacctctgc ctctagagta ctagaattat 37020
cagcatgctc aggcacactg ggtcttgttt gtttttttga gacaagatct catgaatccc 37080
ccactggcct cagattctcc atgtagtcaa cgataatctt gaatttatac tggaaaatgg 37140
tagcaatctg gagagtaaca agacaggagc tgactgtgtg tatgtagccc aggatgacct 37200
tgaagcctgc cttggcctac agagcgctgg gactatagggt gtatccact gtgcttgcc 37260
gcctctatgt aaaggtggaa cgaatttccc ctgtgcctgt ggaccacgtt tctctgaccc 37320
actcatccac cagtgggcgt ttggcttgac cccacatctc ttggccactg gggatgatct 37380
gaaccagtg cattcttctc aaaatacact gaggtgggat cattggatca cagacgttct 37440
tagagcctag cctacccctt ggggctacag gaagctcaca gtttctgttg gttgattgg 37500
tggtttgccc ctcccaaac cctggccacc tcccccaac ctgggtttct ctctgtggc 37560
ctcttgatgt cttcaaatc actctgtaaa ccaggctgac cctgacctca gagctctgcc 37620
tgtctctgcc tccctagtgt tgggattaaa gacatgtacc atcggctata cctacagacg 37680
tgctcaaggt atgtacagag cactcaccct ggcattccctt cacctgccta agagactaag 37740
gatcagaagt aaacctacc tgcttctctg gaagattcag gtttctctca gggactgca 37800
gcctctcaac ctacatgggt ctgggcctta tcttacgaa tgtacactca aacacaaaga 37860
caaggctctc ccagcctgcc ctaataactt ttttaccacacaggtcatg agtcaatgg 37920
gccccgatat tgtctaggca atagtcattc tgggactaca ggccttggtta cccaacatga 37980
ctccctcaaa gccaaagattg tgagcatgtc actgaggcca ctctgtgagc ttgtttccat 38040
gtcaacggag ctcatgatgt cagaaggctg aatccagacc ctgcaccag gctgtgtgt 38100
tccagctcca cccagagca tatcccagtc cagctggctc tttggaacca ttaaagagtg 38160
atagggtctg actatgtgtg cagagagtga tcttagcagc acaggacaca aatcctcacc 38220
ctggggaaag cagccttcaa cctctcacc ttaaggggaa gggcaaccat ggaacagcat 38280
ctgtcagccc tccctcaca cccccaggc tggcctagcc acaccctgcc acttctatcc 38340
aggcagcagg gcttcctttc cagagcagg ggggtgggg caggaggag cctggggatt 38400
agggaaggac actgagttct tcaagcaaga actgttcccc atctaaggcc atccccctc 38460
ccagccccag ctatgcagg agcctggctg ctgctgctgc tgggcctcag gcttcagctg 38520
tcttttggtg tcattccagg taaggaggct cccctaactg cttgtcccca ctcaacagca 38580
cagccttcca ctgacacctg cctccggtct ccccttggc cagtggagga gaagaactcg 38640
gccttctgga atcaaaaaggc gaagaaggcc ctggatgttg ccaaaaagct gcagccatt 38700
cagacatcag ccaggaacct catcatctc ctgggagaca gtgagtgtgt gagcacggcc 38760
tggccaccct ggggccccct gagctccagg catccattga tgtgtccagg aaagcctgg 38820
gttcagatcg aaccagattc tgtttttga ggggtggggg tgcccacggt gacagccacc 38880
aggatc 38886

```

<210> 13

<211> 1784

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (3)..(1451)

<400> 13

```

gc aac ttc aaa gtg gga gtt cac att gct gac gtg agt tac ttt gtt 47
  Asn Phe Lys Val Gly Val His Ile Ala Asp Val Ser Tyr Phe Val
    1             5             10             15

```

```

ccg gag gga tct gat ctg gat aaa gtg gct gcc gag agg gct aca agc 95
  Pro Glu Gly Ser Asp Leu Asp Lys Val Ala Ala Glu Arg Ala Thr Ser
    20             25             30

```

```

gtc tac ttg gtt caa aag gtg gtc ccc atg ctt ccc agg ctg ctg tgt 143
  Val Tyr Leu Val Gln Lys Val Val Pro Met Leu Pro Arg Leu Leu Cys

```


35	40	45	
gag gag ctg tgc agc ctc aac ccc atg tcc gac aag ctg acc ttc tct			191
Glu Glu Leu Cys Ser Leu Asn Pro Met Ser Asp Lys Leu Thr Phe Ser			
50	55	60	
gtg atc tgg aca ctg act cca gag ggc aag atc ctt gat gaa tgg ttt			239
Val Ile Trp Thr Leu Thr Pro Glu Gly Lys Ile Leu Asp Glu Trp Phe			
65	70	75	
ggc cgg acc atc atc cgc tcc tgc acc aaa ctt agc tac gag cat gca			287
Gly Arg Thr Ile Ile Arg Ser Cys Thr Lys Leu Ser Tyr Glu His Ala			
80	85	90	95
cag agc atg att gaa agc cca act gag aaa atc cct gcg aaa gag ctg			335
Gln Ser Met Ile Glu Ser Pro Thr Glu Lys Ile Pro Ala Lys Glu Leu			
	100	105	110
ccc ccc att tcc cca gag cat agc agc gag gag gta cac cag gcc gtc			383
Pro Pro Ile Ser Pro Glu His Ser Ser Glu Glu Val His Gln Ala Val			
	115	120	125
ttg aat ctc cac gga att gcc aag cag tta cgc cag cag cgc ttt gtg			431
Leu Asn Leu His Gly Ile Ala Lys Gln Leu Arg Gln Gln Arg Phe Val			
	130	135	140
gac ggc gca ctt cgt ttg gat cag cta aag ctt gct ttc act ctg gac			479
Asp Gly Ala Leu Arg Leu Asp Gln Leu Lys Leu Ala Phe Thr Leu Asp			
	145	150	155
cac gag acc gga ttg cct caa gga tgt cat atc tat gag tac cgc gag			527
His Glu Thr Gly Leu Pro Gln Gly Cys His Ile Tyr Glu Tyr Arg Glu			
	160	165	170
agc aac aag ctc gtg gag gag ttc atg ctc ttg gcc aac atg gca gtg			575
Ser Asn Lys Leu Val Glu Glu Phe Met Leu Leu Ala Asn Met Ala Val			
	180	185	190
gcc cac aag atc cac cgc gcc ttc ccc gag cag gcc ctg ctg cgc cgg			623
Ala His Lys Ile His Arg Ala Phe Pro Glu Gln Ala Leu Leu Arg Arg			
	195	200	205
cac ccc ccg ccc caa aca agg atg ctc agt gac ctg gtg gaa ttc tgc			671
His Pro Pro Pro Gln Thr Arg Met Leu Ser Asp Leu Val Glu Phe Cys			
	210	215	220
gac cag atg ggg ctg ccc gtg gac ttc agc tcc gca gga gcc ctc aat			719
Asp Gln Met Gly Leu Pro Val Asp Phe Ser Ser Ala Gly Ala Leu Asn			
	225	230	235
aaa agc ctg acc caa aca ttt gga gat gac aag tac tca ctg gcc cgc			767
Lys Ser Leu Thr Gln Thr Phe Gly Asp Asp Lys Tyr Ser Leu Ala Arg			
	240	245	250
aag gag gtg ctc acc aac atg tgc tcc cgg ccc atg cag atg gca ctg			815
Lys Glu Val Leu Thr Asn Met Cys Ser Arg Pro Met Gln Met Ala Leu			
	260	265	270
tac ttc tgc tgc ggg ctg ctg cag gac cca gcg cag ttc cgg cac tac			863
Tyr Phe Cys Ser Gly Leu Leu Gln Asp Pro Ala Gln Phe Arg His Tyr			
	275	280	285
gcg ctc aat gtg ccc ctg tac aca cac ttc acc tcg ccc atc cgc cgc			911

191
 239
 287
 335
 383
 431
 479
 527
 575
 623
 671
 719
 767
 815
 863
 911

Ala	Leu	Asn	Val	Pro	Leu	Tyr	Thr	His	Phe	Thr	Ser	Pro	Ile	Arg	Arg		
		290					295					300					
ttt	gcc	gac	gtc	ctg	gtg	cac	cgc	ctc	ctg	gct	gcc	gcg	tta	ggc	tat	959	
Phe	Ala	Asp	Val	Leu	Val	His	Arg	Leu	Leu	Ala	Ala	Ala	Leu	Gly	Tyr		
	305					310				315							
agg	gag	cga	cta	gac	atg	gcg	ccc	gat	acc	ctg	cag	aaa	cag	gcg	gac	1007	
Arg	Glu	Arg	Leu	Asp	Met	Ala	Pro	Asp	Thr	Leu	Gln	Lys	Gln	Ala	Asp		
320					325					330					335		
cac	tgt	aac	gac	cgc	cgc	atg	gcg	tcc	aag	cgc	gtg	cag	gag	ctc	agt	1055	
His	Cys	Asn	Asp	Arg	Arg	Met	Ala	Ser	Lys	Arg	Val	Gln	Glu	Leu	Ser		
			340					345						350			
acc	agt	ctc	ttc	ttt	gct	gtt	ctg	gtc	aag	gag	agt	ggc	ccc	ctg	gag	1103	
Thr	Ser	Leu	Phe	Phe	Ala	Val	Leu	Val	Lys	Glu	Ser	Gly	Pro	Leu	Glu		
			355					360					365				
tca	gaa	gcc	atg	gtg	atg	ggc	atc	ctg	aag	caa	gcc	ttc	gac	gtg	ctg	1151	
Ser	Glu	Ala	Met	Val	Met	Gly	Ile	Leu	Lys	Gln	Ala	Phe	Asp	Val	Leu		
		370					375					380					
gtg	ctg	cgc	tac	ggc	gtg	cag	aag	cgc	atc	tac	tgc	aac	gca	ctg	gcc	1199	
Val	Leu	Arg	Tyr	Gly	Val	Gln	Lys	Arg	Ile	Tyr	Cys	Asn	Ala	Leu	Ala		
	385					390					395						
ctg	cgg	tcc	cac	cac	ttc	cag	aag	gtg	ggc	aag	aag	ccg	gaa	ctc	acg	1247	
Leu	Arg	Ser	His	His	Phe	Gln	Lys	Val	Gly	Lys	Lys	Pro	Glu	Leu	Thr		
400					405					410					415		
ctg	gtc	tgg	gag	cct	gag	gac	atg	gag	cag	gag	cca	gca	cag	cag	gtc	1295	
Leu	Val	Trp	Glu	Pro	Glu	Asp	Met	Glu	Gln	Glu	Pro	Ala	Gln	Gln	Val		
				420					425					430			
atc	acc	atc	ttc	agc	ctg	gtg	gag	gtg	gtc	ctg	cag	gca	gag	tcc	aca	1343	
Ile	Thr	Ile	Phe	Ser	Leu	Val	Glu	Val	Val	Leu	Gln	Ala	Glu	Ser	Thr		
			435					440					445				
gcc	ctc	aag	tac	agc	gcc	atc	ctg	aag	cgg	cca	ggc	acc	cag	ggc	cac	1391	
Ala	Leu	Lys	Tyr	Ser	Ala	Ile	Leu	Lys	Arg	Pro	Gly	Thr	Gln	Gly	His		
		450					455					460					
ctg	ggc	cct	gag	aag	gag	gag	gag	gag	tct	gac	ggg	gag	ccc	gag	gac	1439	
Leu	Gly	Pro	Glu	Lys	Glu	Glu	Glu	Glu	Ser	Asp	Gly	Glu	Pro	Glu	Asp		
	465					470					475						
tca	agc	acc	agc	tgagctccac	cagccgcctg	ccccgcctgc	cccgctgcc									1491	
Ser	Ser	Thr	Ser														
480																	
tgtcccccca	cactggcttt	aggacctgtt	gacacggagg	ggggttttta	atttggtttt											1551	
taacaactca	ggggtttggt	tttattttta	tttaattttt	gcagctcaac	ttttaaacia											1611	
actgcagggg	agaggggtggg	gctggaagga	aggctgaggc	ctgggtcagca	gtgacccag											1671	
cagagcaggc	cccagtcctc	ctgggaggct	ggccccctt	ttttctgggc	cctactgcc											1731	
tcctctgccc	aggaaatggg	ggggtttcag	caactcagtg	tcacagaata	aaa											1784	

<211> 483

<212> PRT

<213> Homo sapiens

<400> 14

Asn Phe Lys Val Gly Val His Ile Ala Asp Val Ser Tyr Phe Val Pro
 1 5 10 15

Glu Gly Ser Asp Leu Asp Lys Val Ala Ala Glu Arg Ala Thr Ser Val
 20 25 30

Tyr Leu Val Gln Lys Val Val Pro Met Leu Pro Arg Leu Leu Cys Glu
 35 40 45

Glu Leu Cys Ser Leu Asn Pro Met Ser Asp Lys Leu Thr Phe Ser Val
 50 55 60

Ile Trp Thr Leu Thr Pro Glu Gly Lys Ile Leu Asp Glu Trp Phe Gly
 65 70 75 80

Arg Thr Ile Ile Arg Ser Cys Thr Lys Leu Ser Tyr Glu His Ala Gln
 85 90 95

Ser Met Ile Glu Ser Pro Thr Glu Lys Ile Pro Ala Lys Glu Leu Pro
 100 105 110

Pro Ile Ser Pro Glu His Ser Ser Glu Glu Val His Gln Ala Val Leu
 115 120 125

Asn Leu His Gly Ile Ala Lys Gln Leu Arg Gln Gln Arg Phe Val Asp
 130 135 140

Gly Ala Leu Arg Leu Asp Gln Leu Lys Leu Ala Phe Thr Leu Asp His
 145 150 155 160

Glu Thr Gly Leu Pro Gln Gly Cys His Ile Tyr Glu Tyr Arg Glu Ser
 165 170 175

Asn Lys Leu Val Glu Glu Phe Met Leu Leu Ala Asn Met Ala Val Ala
 180 185 190

His Lys Ile His Arg Ala Phe Pro Glu Gln Ala Leu Leu Arg Arg His
 195 200 205

Pro Pro Pro Gln Thr Arg Met Leu Ser Asp Leu Val Glu Phe Cys Asp
 210 215 220

Gln Met Gly Leu Pro Val Asp Phe Ser Ser Ala Gly Ala Leu Asn Lys
 225 230 235 240

Ser Leu Thr Gln Thr Phe Gly Asp Asp Lys Tyr Ser Leu Ala Arg Lys
 245 250 255

Glu Val Leu Thr Asn Met Cys Ser Arg Pro Met Gln Met Ala Leu Tyr
 260 265 270

Phe Cys Ser Gly Leu Leu Gln Asp Pro Ala Gln Phe Arg His Tyr Ala
 275 280 285

Leu Asn Val Pro Leu Tyr Thr His Phe Thr Ser Pro Ile Arg Arg Phe
 290 295 300

Ala Asp Val Leu Val His Arg Leu Leu Ala Ala Ala Leu Gly Tyr Arg

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300


```
<210> 15
<211> 49999
<212> DNA
<213> Homo sapiens
```

<400> 15						
gaattcacat	aaagttcagt	tctctgatcg	cagggcaggt	ttactgtctc	ccagtgaccc	60
agcgacacag	ctgcgtgcct	gtcagaatga	ggcagctaag	cttggagtca	tgctggttcc	120
tctcagcttt	ccagacagcc	ctctcctctg	tgggaaacag	atctgttatg	ttaccccata	180
gcagccagga	tctcttaagt	ggactttaagt	attctcttat	gtattacagc	tacaggattg	240
ggcggaaaaa	ctctgaagaat	gccctgtagg	aaggtgtgtc	ctgagtgctc	caccacatga	300
agaataggga	atctttaaatt	cttttccttg	cctgaacccc	ttttttcaag	catcccacgt	360
ttaagcattt	ttccatttta	aaaactgagg	gaagaattat	cccccagtga	aggagtagga	420
ggataataag	tagctacaca	gtttgcagat	aaaatgtgtg	ataccttagg	actgatcatt	480
caggttacca	aaagagcaga	tggtagctgt	ttaataagtt	cttctaagcc	aacttgggta	540
tgagtcaaga	ctctgtcagt	gagtcataat	ggaaagggaa	ttgatccact	cattaactgc	600
caagtccaca	ggtagactag	tttcaggctc	agctggatcc	tgaagttcaa	atgaggtcat	660
aattctctctt	ttctttctta	gactattatt	ttctgtattg	gcattgattat	gtagactaga	720
tgtttcctgg	cagctccagg	tttatgtggt	ccttagtgcc	taggatccca	ggagagagac	780
cctcttttct	gaagttcata	tcattttatca	atacaacaag	ttgtattggt	caactgaagc	840
aaattcagca	ctatgcttgt	atcttccatg	tgcttctctc	tgcccattgt	atatctttaa	900
actgtatact	tattttattt	tattatttta	ttttttcgag	acaaagcctt	gctctgttgc	960
ccaggetgaa	gtgcagtggc	acaatctcag	ctcactacaa	cctctgcctc	caaggttcaa	1020
gcagttctcc	tgctctcagc	ccttgagtag	ctgggactac	aggtgtgtgc	caccacacct	1080
ggctaattttt	tatttttagt	agagatgggg	tttgccatg	tggccaggcg	tggtctcaaa	1140
ctcctggcct	caagtgatcc	gccagccttg	acctcccaaa	gtgtctgggat	tacagggcatg	1200

agccaccgtg	cccagcctat	atacttattt	tacatgtata	ctcttttttt	gtaattgggt	1260
cattttctgt	attttcatac	acacatacat	gtatatgtat	gtacgtatgt	atatactctt	1320
gtatgtatgt	gtatatTTTT	attttcacat	acactatatt	tgataggtga	tttacagtat	1380
gttcaagaat	aaatcttaag	tttataacct	aactaccctc	cctcatttaa	ggtacagttc	1440
taacagcctt	ggtcacctga	ccaactctct	ggtaaacctg	gtagggaggg	cagggcctat	1500
taaaagacag	ctccaccagg	aagggaagga	gcagttctaa	aaggaaaaag	aaagtgggtc	1560
ctttaccaga	gggaaaagac	agaccgactg	ttgattcatt	cattcaacaa	gtacttcttg	1620
aggacctatt	atgtgcagg	tactcttcca	ggccttgggt	aacagtgaac	attacacaaa	1680
aggccttatt	tgtctggagc	tacatggtag	ggagagagac	agataacaaa	cacacaagcc	1740
catagagata	tgccgtgata	tctggtagt	atgagagctc	tgaagaaaga	ccacggtaag	1800
cctcaacagg	tgtggagtac	gtgctttaca	gtgcagatgg	aggaaatggt	tgggggctgg	1860
gtggtgggga	gttggaggag	acagacaggt	ggaggaaatg	gtgggagggg	ggtagaggaa	1920
cctcttcttg	tttggggatt	ctctttcagt	tgacccaaat	aaagtaagga	agattttgat	1980
aggcagatcc	tgttaagact	atcccaagca	taggaaaaag	tatgagccaa	gccaacatct	2040
aaatggcctt	aggggaagatc	tgttcaggaa	atggaaagag	gtttcccatg	acagctacat	2100
acagagcatg	tgaaggatgg	ggctgaggtt	gcttgggggt	tgacctgtga	aggacatgaa	2160
taacaggcta	agagtacctt	tcccagaccc	acatttagaa	agatcacagg	aaagtgtgga	2220
gggccagggt	agggggggcac	agaggcgagg	tagggcagcc	aggtgtgggc	tgaatagggc	2280
aattggccaga	gggaatggga	aggaagggca	gagctttcag	aggtctcatc	tgtaggattt	2340
ggggattaat	tcacttctag	tgacctaaaa	ggatttgttc	atcaccacga	atgagccata	2400
tcttcttatg	tttactcaaa	gataagaagc	ctttagaaat	gggaaacatc	ttgggaaagt	2460
ggttaatctt	gtttattcac	aagaacaatt	tcatcatctt	ttgctataca	atgaggaaag	2520
tgacagtagt	gcgggtcaca	gagggaggtg	gccaaggaag	gaagcaagca	agactagatg	2580
tgtcacctaa	ctgcaggctc	tgtggcctct	gggagtgaca	tacattctag	gaaaggactc	2640
ctgggagaga	atgctgtggc	cttccacgcc	agcctgatag	tccttctcgt	gcattttacg	2700
gcaacttcaa	agtgggagtt	cacattgctg	acgtgagtta	ctttgttccg	gagggatctg	2760
atactggata	agtggctgcc	gagaggctca	caagcgctca	cttggttcaa	aaggtaaaaa	2820
tcctactcta	gtttcttttt	tcttcttctg	tttatttggt	tgtttccctg	gaagagtgtg	2880
tgctctctgt	tattacatgt	tctccggaaa	gagaagccaa	aggaagacac	aggtgttcac	2940
ctgaggcctc	atcccagagt	ggccctgcta	tataagtaac	tgacagatac	tcagcttcag	3000
aaagaaagga	ggcaaaatac	ctgctttcaa	acgattgttc	taaagcaggg	ctcggcaaac	3060
ctagcccaca	ctagcgacta	gtttttgtaa	ggttttattg	gaactcaggc	acatgcattt	3120
gttcatgtat	tgtggctgct	ttcacactac	ttcagcagag	tggcatgacg	atttcctatt	3180
actgtaagcc	ctttaaggaa	atgttttcaa	cccctgttct	aaaagtgagg	agccaattcg	3240
gtcctgacct	gcccattaca	agatagctat	gggagctctc	gagatggaaa	agcgaaggga	3300
gataaggagg	agcctgagct	tttccctctc	atctgactgc	caccactctt	ggttagttac	3360
taagtgtcta	cagacctccc	tagactcatc	tgtgaaatga	agggactgga	cagattcatc	3420
tcaaaacatc	ccttccattc	tgtgtacttg	gacctggcac	attcaatagg	taaccatgag	3480
aatccattcc	tttaacacat	atataattgag	caccaattat	ctgatgggtc	ctgcagtagg	3540
cctcagagaa	aggggttaat	aagagaccaa	gcatgagtaa	gttctgcctt	ccacactgtg	3600
gttcatgaat	tctgccagg	ttctttctct	tctttccctt	ctctgatcct	ctgctcattt	3660
gctcatcttc	cttcttcggc	catatctgga	cttccacttc	ctttctagct	ttttaaaatt	3720
tggcagtcca	gtttgggatt	ctgcctatac	tagcttgagc	cttctgctc	cccaagccca	3780
tgccctagga	catgattctg	gatttgcctc	attgactgcc	ctaaggtcag	aggaatatcc	3840
gcccatcca	ccctagaatg	cagaccacac	ggtgcattct	agaatttctg	ggctccactt	3900
ctagcaaagt	gcctacttga	tgttcacaaa	ggtattggca	cttctggagc	aaaagctatc	3960
caggaaagcc	caaaagtttc	taggatttct	ggtatttacc	aagtgttact	gagagtctct	4020
ctcatgtttt	caacttgtcc	accctgaaaa	ctaacctctc	aaaagggaag	agaccagtct	4080
aggctttgag	tgagcccata	tcctctaggg	gctgaagatc	ctgttgccctg	tggcccaagt	4140
ttagttcccc	cagtgtagct	gagcttatca	gttgacagtg	atgtcttcca	ccccatgggt	4200
gaaatcacct	tgtctgagac	cctttgctcc	tgtacacaa	ggagctagcc	tagatgggct	4260
ctcttgtccc	aaaggaaaag	cagagctgtt	atctgccata	gccgccttca	atatgtggag	4320
gccctacctc	ggaagacctg	gcacctctct	tcccttgccc	caggcacgta	ctctctggat	4380
cactgaaacc	tagaatattt	gagcaaaaacc	ctagctccac	ctgctccagg	agacttgtac	4440
agccgatttc	ttcagaagta	cagctttgcc	taccattcac	attaggtgat	cagaaccacc	4500
atgtacgtgt	tttctgccat	cccagaagtg	agaatagtga	atagagagga	agacagagtt	4560
gatcagagcc	aggaaattct	gagtcagaag	ctgtgtgatc	atcaaaaccc	cattccaggt	4620
aactgtgtca	tgggcaatag	gtaatctcaa	tgcacagtg			

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																			
Population	1,000,000	1,050,000	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	1,350,000	1,400,000	1,450,000	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	1,750,000	1,800,000	1,850,000	1,900,000	1,950,000	2,000,000	2,050,000	2,100,000	2,150,000	2,200,000	2,250,000	2,300,000	2,350,000	2,400,000	2,450,000	2,500,000	2,550,000	2,600,000	2,650,000	2,700,000	2,750,000	2,800,000	2,850,000	2,900,000	2,950,000	3,000,000	3,050,000	3,100,000	3,150,000	3,200,000	3,250,000	3,300,000	3,350,000	3,400,000	3,450,000	3,500,000	3,550,000	3,600,000	3,650,000	3,700,000	3,750,000	3,800,000	3,850,000	3,900,000	3,950,000	4,000,000	4,050,000	4,100,000	4,150,000	4,200,000	4,250,000	4,300,000	4,350,000	4,400,000	4,450,000	4,500,000	4,550,000	4,600,000	4,650,000	4,700,000	4,750,000	4,800,000	4,850,000	4,900,000	4,950,000	5,000,000	5,050,000	5,100,000	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	5,400,000	5,450,000	5,500,000	5,550,000	5,600,000	5,650,000	5,700,000	5,750,000	5,800,000	5,850,000	5,900,000	5,950,000	6,000,000	6,050,000	6,100,000	6,150,000	6,200,000	6,250,000	6,300,000	6,350,000	6,400,000	6,450,000	6,500,000	6,550,000	6,600,000	6,650,000	6,700,000	6,750,000	6,800,000	6,850,000	6,900,000	6,950,000	7,000,000	7,050,000	7,100,000	7,150,000	7,200,000	7,250,000	7,300,000	7,350,000	7,400,000	7,450,000	7,500,000	7,550,000	7,600,000	7,650,000	7,700,000	7,750,000	7,800,000	7,850,000	7,900,000	7,950,000	8,000,000	8,050,000	8,100,000	8,150,000	8,200,000	8,250,000	8,300,000	8,350,000	8,400,000	8,450,000	8,500,000	8,550,000	8,600,000	8,650,000	8,700,000	8,750,000	8,800,000	8,850,000	8,900,000	8,950,000	9,000,000	9,050,000	9,100,000	9,150,000	9,200,000	9,250,000	9,300,000	9,350,000	9,400,000	9,450,000

agagaggttg	ggtggatggt	cctgccatta	atcaagaaaa	atatgggaaa	aggaaacagat	12600
agtggtagat	gggagagagt	ttttgaagta	atttcaggag	atacagatag	agatattcat	12660
ttcatctttt	gaatagtagg	aaaaaaaaaca	agtaatat	tgggacaact	gcaagtcac	12720
atttgaaagt	aagctgaaaa	acagttttta	attaaagagt	atataccgtt	gactcagttt	12780
attatggaac	agaaagatca	ataaggagaa	gaaataat	aggcttaaaa	aatgggaaaa	12840
tggataacta	gttgatcaca	atgtttatct	aggaaacctg	gatgtatgat	cctttctgtt	12900
ttatcactct	agtgatat	tattgaagta	gtctctta	gttccaacat	gtaattttgt	12960
aaattacggt	atattcagtt	actaaaacat	tgattcaaca	ataacaatag	cttattttac	13020
tttaacaaaa	ccctgtccag	agttttacact	caacctttgg	gctcttaagt	atatgtataa	13080
ttcaactgga	gtgcttatat	ccaaaagcac	aagtacttct	tgagtctgga	gcttcaggtt	13140
tagtagataa	tacaatgtag	ctatttttaca	ttgcttgcat	tgtacttttg	tcttccttta	13200
ccagttctcc	tcactttccc	agctcatatt	cctatttgac	tctagaggcg	catggaaaag	13260
tatacaacag	tgtggtcttt	ctgcagagtc	tttgggaaca	gagccacctc	catcttcagc	13320
ttgctctgga	aaagctgaag	ctgttcacca	aaactctgcc	cactgggctt	ctcctaagcg	13380
ggttgaggaa	agggtgctcat	gggcctgtgc	tctattttaca	ggtgggtccc	atgcttccca	13440
ggctgctgtg	tgaggagctg	tgcagcctca	accccatgtc	cgacaagctc	accttctctg	13500
tgatctggac	actgactcca	gagggcaagg	taacaactta	cacgttttct	ttctccactt	13560
acctcttttc	tgttccatga	gtcatgaagc	actcaccatg	tgcctggcac	tggttggggt	13620
gccatggtgg	taagacaagg	gaggtatgga	gtagccatca	tagagaaatg	tcagagtcct	13680
tgcctcgga	gagccgttgg	cccactttag	aagccaagac	tgaccttaag	cacttagaac	13740
aggcttcttg	tctgttatca	ggtgaaggaa	gaaattgagt	aagcagagtg	atgccgggga	13800
ggcttatgca	ggagacaggg	tgtaagtggg	attgaatgag	gattggcaaa	ggcaggaggg	13860
gcagcccagc	ctgcagttag	gagagcagag	cctgtttaga	ggaggacatt	aggtaaagtg	13920
ggaagtttac	atagggtggg	tgaatcaaaa	ctggagaatc	acaaatgaat	tgtaggtgtt	13980
agggttcctc	tgaagtgtca	tgagaaagct	gattgtagaa	aggtcagtg	tgcatcgctc	14040
tgctggatga	ttggagcgg	gaagatgaat	tagcaaggta	gtgctataat	caaggcacaa	14100
ggtggtgaaa	ccacagacca	agaacagagg	agagaaggat	gtcagcaggg	gtttctgggc	14160
ataaggaaaa	agatgtctgt	gcctgtcgtc	gggatgtgcc	tatgcgtatc	atagggaacg	14220
gcaggagaga	gatacatgaa	agagaaacta	gtccctccc	tgcaaatgta	acaactccaa	14280
acattcagaa	gtagggtcgt	gattaagtaa	gccctgggtc	cttctcagtg	gaatatatgc	14340
agttattaaa	gttggtgaca	gagaccatgg	aagaacatgg	gaagtgttta	tactgtaata	14400
ttaaatggaa	gtaaaaaaag	atattttaatt	ataaagaggt	tccaaataaa	gatagaggat	14460
caaataccca	catttacttt	cattccctcc	caaaacctca	ctaaaacaac	agtaaaaagga	14520
tttttttttt	taaagacata	aaccacacaag	gacaaagaga	gtgggagag	agacaacagc	14580
aaagctgaat	cctgagccag	caatagagaa	agccaagaaa	actgacttag	cagctctgag	14640
aaccctaaac	aattcagaaa	ttgacagtac	cagataattc	tagaaaagtg	gggaggggtg	14700
ggggagagtg	aggctaacaa	cagtattgaa	agtttat	taaaaattgc	ccctcctata	14760
acttagtgga	agatcagaaa	tgtgttctct	agacagggtg	aagtaagagg	tgtctgaact	14820
agaggacatc	aaacatgctt	gatggcagtg	acaccttggg	ggagattgag	tgaatgttgg	14880
catactgaac	gttaagagtg	tcagctttct	ttttgctgcc	agccccagaa	ttctggctgc	14940
caggcctata	tccatgagtc	gggacatggg	aaaatctctg	aggactctga	atagtgagga	15000
ataaaaaacat	aaagataacta	accttaagag	tttcccaatc	agcagccag	ctgtctttcc	15060
ctacagtaaa	gcttacagac	aataagcttc	acccgcacaa	tcagagcttt	ttaggatttc	15120
atttccatat	atgaagagac	aacccgaggg	aagcttctaa	tgtgaaatag	ggaggctatt	15180
actaatgcat	tgattcaaca	atagctttat	tttactttga	tgaacacctg	tccagagttt	15240
acacttagcc	ctagggctct	taagtatatg	tgtaat	ctggagtaca	aacaaaacag	15300
gaaagaagta	aacaaacaga	aatgaagta	aacaggaaaa	agtaactaga	acaaaacaca	15360
ctagcaggga	aaagaaatta	tcacttatat	ctttagggaa	tttttttaaa	aaagaaggta	15420
gctgtatcac	aaaatcttga	tacttttaaa	aggaaacatt	tggagggaaa	aaaagagctc	15480
ttgggaatta	aacacaggtt	agaagaatta	aagattcaag	attcctactg	aaaggtaaag	15540
ttgaggagct	gtcccaagaa	gagacagaaa	agacaaaaaa	ttagaagact	agtcgaagat	15600
atacaatatc	tgttcaatga	ccgttcacga	aatagagaac	aaagtaaaaca	gaggaaaaga	15660
aatgatcaac	aaataaattt	taggaaatgc	ccatttctg	gaagatgtga	ttttccatat	15720
tgaaaagggca	cactgcctag	cacaggggtg	gaggcacatc	atcaagacac	atcattataa	15780
aatttcagaa	cactgtggac	aaagaaaaaa	agacatacga	taaaatcgga	aatcagaata	15840
acttcagact	tttctaccac	aaccctagaa	attagatgac	agtgaagcaa	agctttctaa	15900
tttctgaaga	actgtgatct	ccatgccaaa	attctgtacc	caacgaagct	atcaataaaa	16020
agggtaggaa	aggacat	cagacatata	aggcttcaac	aaaaatgtcc	atctcataca	16080
ccctttctca	gaaagccacc	agaagatgtg	cttcacaaa	atgaaggagg	agtaaaatgaa	16140
gaaagaggaa	gacatgggac	gcaggaagca	gataatccaa	tacaggaaaag	aagtgaagga	16200
atcacttaga	tcagggtctg	cagacttttc	ctgtaaaggg	ccagatagtc	agtatccctg	16260
tcacagctac	tacactgtcc	ttcaggtctg	tcttaagaa	gatgctaagt	gccaggtgtg	16320

gtggctcatg	cctgtttatcc	tagcacttttg	gcaggccgag	gcaggtagat	cgcttgaggt	16380
caggagttca	agaccagcct	ggccaacatg	gtgaaacccc	atctctacta	aaagtacaaa	16440
aaattagctg	ggcctgggtg	cgggcaccta	taatctcagc	cacttgggag	gctgaggcag	16500
gagaatcact	tgaaccggg	aggtggaggt	tgcggtgagc	tgagatcgtg	ccattgcact	16560
ccagcttggg	cagtaagagt	gaaactccgt	ctgaaaaaaa	taaaagaaaa	agaaaaagaa	16620
gaggacgcta	agctggatcc	tctcgtgggc	ttctacattc	tgtctgttag	aatcagttgt	16680
tttggttgat	gtgtagatat	gtagctggaa	aagaaaggag	catttttaata	actttttcag	16740
ataaattgtg	ctattcattt	ttgtactaca	ccaaacttta	atagtttctc	aaaagttgtg	16800
tgggccaggc	acagtggctc	acgcctgtag	tcccaact	tgtggaggcc	gaagcgggca	16860
gattgcttga	ccccaggagt	tcgagatcag	cttgggcaac	atattgaaac	ctcgtctcta	16920
ctaaaaacac	aaaaattagc	cagatgtgggt	ggcatgcgcc	tgtagtccca	gctactcagg	16980
aggttcaggt	gggaggatca	cctaagcctg	ggaagtcaag	gctgcagtga	gccatgatca	17040
cgccacgcaa	tcccagcact	ttgggagggt	gaggcaagag	gattgcacag	cctgggcaac	17100
ataatgagac	cttgtgtgga	tgaaaaaaaa	taaaaaacag	acaccagaga	gtgagctctc	17160
tcattctccc	aaaataccca	agtctaaact	atagtttgtg	tgtcagttgt	tccttcaagt	17220
aaaaatgggtg	ttccataaaa	tgagcaatca	gttcacttca	caactcagtt	atgtaattgc	17280
ttttcctcaa	gaccaccagc	gtacctctac	atgcagcaaa	agtgaaaaag	acaagcaatc	17340
aagggttgag	acatacataa	attaataatt	ttactctctc	tgtccagagc	atctggttgt	17400
tcgatcacag	tatgaggtat	tggagtgc aa	tgtccacagg	tgtgctgtgc	ggattttgcac	17460
caaggcagcc	actttacc ca	cgagggtctt	tgtgccacca	gtgtaaatgt	cagcacgtgg	17520
aaaggacaaa	cactgcctta	gtattttttat	gaaaatagtt	ttaacctcct	ggattccttg	17580
aagggtctca	gggatcccta	ggggtacatg	gaccatacct	tgagaaccaa	atggacagtt	17640
ggtggaaaagt	ttggggtaga	ttaatatata	tagcacacag	aaaaaccaag	caataaaaaa	17700
gacagttatt	aattccagtg	agaataaaaa	gttgtataga	aaagaaaagt	aacacttagt	17760
atttatgtaa	tcataatagt	agattgataa	aatgaattct	gatcattgtc	atgtattagg	17820
aggattaagg	actagaatag	ttacgtgggc	atgggtgggg	agggagtgtg	tatggaagaa	17880
aaaataaatt	atcttctgt a	gtgaaaagtt	tgcataaat	gcctaaaaaa	aatcaggaag	17940
tagcacagag	gttatataga	aagttaatat	ccaaatactc	ttttaaaaga	ggtaaaaagta	18000
gttactcttg	ggaagtaaca	gagagggatg	ggggctgctg	tttttcataa	caatacttta	18060
aaactatttg	aactatgtat	actttaatat	ttttattgtg	aaaaatttca	aacatacatg	18120
aaagtaaagg	gcacaataaa	cccatcctcc	ccacttccca	gattcaacta	tcaagacaga	18180
gtgtttttaa	acaaaccaca	gacatgtcat	ttcgctcata	catatttttag	tatgaagctg	18240
aaaaaaatttt	ggacattttc	ttatataacca	cagtgccatt	agcacacct a	acagtgacta	18300
ctaatgcctt	ggtgtcattc	tgaacccagt	ccgtaataga	tttctctctc	ttctcccata	18360
gattttcctg	aattgggagt	aaaaacagtt	atacacatta	tattttggtt	ttatggctct	18420
taaatatcgg	gttaataaaa	aaaaagcacc	cttttaaaga	tttttttaag	agtaagagg	18480
caacgcgtat	ctgaaaacag	aaggaattat	gaggacagta	tgccagcaat	catattttgg	18540
tgggggtggg	agcatgcata	ggggaaaaaa	tgaatggaaa	aagaccagta	ggaaataaaa	18600
tcgaatgcca	atagcggtta	tgtttgggta	gtaaaactat	gagtaatttt	ttctactttt	18660
ttgtattttc	taatgttttt	tgaaaacgtg	tagcttttat	gtttttataa	atgcttattt	18720
tcgtgaaaagt	ttacttaaac	agaaaataaa	agcccataga	agaaagctaa	cttgagtcaa	18780
cagaaaagaa	ctttgagtct	gaattttgct	tgccaaagtc	agacccaaga	aataaaaagc	18840
tgcccaatct	aatgagcttc	taaaatatga	gggtcataaa	agaagcacta	gaaagtggca	18900
aactctgtaa	ctcagttggc	ctctgggggt	tctgttggag	gtagtgtctg	gtgccaggc	18960
cactggcatt	agggactaga	gagcaggtgt	gaggtagcca	caggatccag	gagggctgtg	19020
gggcctcagt	gcaaaccaag	ccagatcgga	agtaatgaga	gtttggacta	gagacagagt	19080
tgtagggcaa	agcccactaa	ccacactcct	tgtactgttg	gttatccaaa	caccctgccc	19140
agaccaagcg	accacatgag	aggtagacct	ggttgggttag	tcctgggagt	agtatctctt	19200
accacaatc	aagatgcatg	aaatgagagg	tcagattcca	gactcacatc	caagggatgg	19260
tccttcctca	agacactggc	aaggaaagct	tgagtttagc	aagggtctgg	ggaacaaagt	19320
tcggaaccag	atgggagggt	tagggagcca	gagaaggcca	acgggcaagg	ggtagccctg	19380
catcaagaac	ccagtgatga	agagaggagt	ctccgaagcc	tgtgtggcca	aagctcagtg	19440
ctggttttgc	atgcagtggt	gacttctctt	ggcgtaaagg	tttggactta	gaaggagtca	19500
gagcagggcc	aacagcatca	tgccacagct	gctgcgtagc	caccagtcct	acctggagtt	19560
gaagtggaga	aagctctgta	tttttccctta	gtctatttga	atggcttact	ttctggagca	19620
ggcatggtea	gctatagaaa	gattgtttcca	acgttttctt	aacgcctact	aaattttttt	19680
ttaaacactc	acaagaaaat	cttggacatg	tatgcattca	ttaagctagt	gctcaggctt	19740
ttaggtcaat	aaacgctgaa</					

tctaattgcct	ccagaatcag	cccccttccct	taactaccgg	cactaatacc	tgcgtccaag	20160
ctattctctc	tcaccttgac	agatacagtg	gcctcctgac	tgtccttgca	gcctctgctc	20220
ttgccccacg	tcattctctc	tgcatacagc	tgtcagagtg	atccttctga	atcttaagcc	20280
ttgtctctcc	attaaaaact	tccaatctct	cattcacaat	aaaagataaa	acgccccctt	20340
acaatggtaa	cttttttcct	gttcttttct	gcctgtcttc	tgtgctggaa	atgcatagac	20400
tccagagtct	tccctgcaacc	agcatctcct	ctcatgtcct	ggagcattgc	tgctcacagg	20460
agagaagctg	ccttttatgt	gtaactgagc	tctctgctgt	gctgcaggcc	ccctccccac	20520
ctccagggac	ctgacatcac	tcaaggttga	gtttccccc	ctgccactct	ctacatcct	20580
caaagcctct	gccccctcct	tgtagctgag	cagatctttt	ctccctgct	taactatctc	20640
tcttctgaga	attggacatt	gtagaactat	gttgtgtacc	agttggggct	ttctcagctg	20700
aaccttcagt	gctacttggg	aatcctttta	ttcgtcacta	ggttccaagc	cttttttctt	20760
cggttccaac	ctcaaccttg	ctttccactc	ctctttcctt	taagacccat	cattctccca	20820
agtacctttc	attcctcctt	cttggaaacg	agagaggcta	gccaaacttc	actgctgagg	20880
tccccctttc	cacatcaaaa	tttctctctg	ccttgccgct	acttaggagg	ctgaggcagg	20940
aggatcactt	gatcagattg	agaacagatc	gagacctgt	ttctaaaaata	taaatgaatg	21000
aataaataaa	taaatatttg	gctgggcagt	gtggctcata	cctttaatct	cagcactttg	21060
ggaggctgag	gtgggcagat	cacctgaggt	caggagtcca	agaccagctt	ggccaacctg	21120
gtgaaacccct	gtctctacta	aaaatacaaa	aattagccag	gcattggtgt	gggcacatgt	21180
agtccagct	acttgggagg	ctgaggcagg	agaattgctt	gaacccagga	ggcagaagtt	21240
cgagtgaagc	acctgtgaag	agaaaagcag	cattctgctg	gggtgtataag	tggattgtgt	21300
gcaatggtgc	ttcagctctag	atattcatgc	cttaatctta	ctgtgttcgt	ctctcccttt	21360
ttcaggggaa	gcctgagctt	tgttagtgga	tgatggccct	agtgtgagga	ctggggcttg	21420
tggagtagcc	tcttgtttgc	tctagccacc	ccactgcctc	tgtcctctgc	agttactagg	21480
accttcccta	gcaagtttgc	gtcctttcca	ccacaggcat	gacctgcctc	tctctgctct	21540
cttccagccc	gtcctctctc	tgccctagtc	ttttcagaca	cttgcttctt	ggcacctttg	21600
actttttctc	ctgccgggct	gccccacta	aggatgattg	cctctgtttt	gtagctctaa	21660
gaagcagcca	aaatccactc	cacctccctc	ccacctccg	tcactccaaa	cagctgggtt	21720
ttgttccagt	caggaaaagg	tttctttctt	cctcatattt	ttttgaacaa	aatattttgc	21780
atacgggaagc	cgggagctcc	tgcaaaaagt	attttgtacc	taattattta	agattataag	21840
ttaacccccc	ttgcagtttt	ttcagccaga	gatacatctt	aatgaagtgc	tgacattttt	21900
cagaggataa	atttaaagat	acatttgaat	ggaactgaat	aattttcaaa	ggaagtggtc	21960
atacttctgt	atcaatatag	aaagttgatg	tgtgtttgag	acatacttgg	tttattttac	22020
ttcatcatct	gcctctgtct	aatttatgac	cttcacctga	aatggaataa	aagtaacact	22080
agattttggg	tctgtcttta	actggatctg	gtccttgccg	ccacttagga	gtttgtatga	22140
cttttgacaa	gttccctggcc	tgtttctctc	actgtaaaat	gggctgaaca	atgcactcct	22200
cccagatgtg	ttaaggagat	tttagaagta	tgaagtttaa	gaatactccg	agtgcttagc	22260
tacttcogg	cttacttagt	acagtaggta	ggccttgaat	tacagtgtct	tagtacataa	22320
ttatgtactc	ctttttcagt	agttttttcc	cagtaatacg	ccttcagtca	gtgttggcac	22380
tgtatttaat	ttgacattct	gaacagtgg	attccagagt	atgtgcagta	aactcacctg	22440
cctacagaag	agtgacccaa	atcctgtgat	taagaaagaa	aagagggggc	aggtgtgggt	22500
gctcatgcct	gtaatcccag	cactttggga	ggccaaagcg	ggcggatcac	gaggtctgga	22560
gttagagacc	atcctggcca	acatggtgaa	accccgctct	tactaaaaat	acagaaaatg	22620
agccgggcct	gggtggcatgt	gcctgtagtc	ccagctactc	aggaggctaa	ggcaggagaa	22680
tcacttggac	ccgggagggc	gaggttgcag	tgagccgaca	tcgtgccact	gcactccaac	22740
ctgtgtcagag	agtgacagag	tgacagagcg	agactctgtc	tcaaaaaaaaa	aaaaaaaaaa	22800
aaaaggaaaag	aggaaaagaca	tgatcttctt	tatgaagtgt	tttgtttctg	aagctctccc	22860
tgctgtttct	actttttccg	tgaaaaactc	tgtccttttg	tcttctgcca	ctggcttttg	22920
ttatgcactg	ggcatttgat	tgaatccagt	ttccaaattg	gaaagtaatg	aggtgttcca	22980
tacagagagg	cctgccttac	atactgtgag	gttggtattt	ccgaggaccc	cctccatttg	23040
gatctttgct	ttcttctgtc	ctttctctgt	gtcagacgac	aacagactcc	tttcttttct	23100
gcttggcgct	tgcagaagat	ggtttcaggc	cttctttccc	tggcctagtc	attttttagt	23160
acatgtcagg	tgtgactccc	agaagcactg	gactgtgcta	aggcatagta	gattcggctg	23220
ccagaggtcc	ctgtgctctg	gcaggaaagt	ccctgatggc	ctccaagctt	ctacctcagc	23280
ccttcgtgta	tttaaagaga	aggttgggat	ggatttttcag	ggttgcaggc	gttaaggaaag	23340
acgactgaag	tgaagcaaaa	cagctatggg	aaagtgatca	tcagcactgc	agtctccaat	23400
ttggtgggtg	tcctatgtgc	tgttaggaag	ggacatctta	tctatcttga	ctgataagga	23460
aacaaaagtag	aggtgcccat	taaggaaaaa	aaaaaaggag</			

caacccaacac	ctcccagact	caagcaattc	tcatgcctca	cctttctgag	tagttgggat	23940
tacagggtcg	cactaccatg	cccggcta	ttttgtttt	gtttttgtt	ttttgtggaa	24000
acgggggttc	attgtgttgg	ccaggccagg	atgccaaact	cctgacatca	agcagtcac	24060
ccgccttgac	ttcccaaagt	gctgggattg	caggcatgag	ccaccgtgct	tggccaaaat	24120
tacttagatt	ttgaaagcag	ttcttgacc	atggcttatg	tgaaagcaaa	tgcccgatca	24180
gggtgcagtg	gttgccctgt	gctggagcat	tcactaggga	aaaagaccgc	agaccctggg	24240
agggtgcaga	ccctgtgacc	tgaatgctgg	atgctggagg	gaacctccag	accacttgtg	24300
aaatgtgaaa	gagaacagtg	gaatagaact	gaaactgacg	ttccctgagc	atgtggaag	24360
cagactgtac	agcccaatgt	agacgcacag	gaggagtgc	tgggtttgga	atgaaatgta	24420
gaaaagggaag	caagctaaat	caccagggga	aacctctgag	accacaagaa	tgaagaggtc	24480
atggccctgt	cattccagag	gaggctggag	cagctcttca	ggaaatgtgg	atgtgcgaag	24540
aggacaagcc	tggctgagcc	taaaaggggc	tcttcagact	cttctggaga	cctgcacatg	24600
gcactcccca	ctgggactgt	cagggtgtac	ctggaattga	ctctacagtt	gcttttggcc	24660
acagcacaca	catgcttcct	gagagccaaa	ttcagacctg	cttgccacag	tggaagattt	24720
gtgagattat	ttgaatccct	tatatctttg	gatagtggta	gttcttggaa	taatattggaa	24780
agaatagttt	caggattttt	ttaaaagaaa	agttaaagt	agtgattaca	gattcaagat	24840
tcttataaga	ctttgtctgt	gataaaaaatg	tgagtagtgt	ccaccattct	tttctctac	24900
cccatggctg	ccatttttca	agagtattga	ttcttcttt	aagggagggt	gaaggtacca	24960
aagtggctc	tccagctttt	cagggcagaa	catgtattcc	ctggaggctt	tgtgtgtgta	25020
acagcacctg	ggctgggctc	agtccttccc	ctgggggaat	gcctacatac	tcttcaactg	25080
gctttttcgg	aaagcattgt	ctgagagctt	gtgaacagaa	gggttggctg	gtgaagagca	25140
aggcaagggg	gatgtctgca	agcccagggt	aaaaggtaaa	atgttctact	cttgactgg	25200
gctccctccc	ttttcttgca	cagaaaatac	acttccacgc	atztatccag	agcttttcca	25260
ttctcctcag	gcctcaaac	tccacctagc	ctcctttgta	ctttgcctca	tgctcaacta	25320
catagattgg	ggttctgtga	tagtcatgct	ctcagcttcc	ctcttcttcc	cttcagggtc	25380
tcctgccctt	tccttcttcc	cttctctccc	accaggctgg	gcttctctg	tccaggatgg	25440
atggcctcca	tttggcccaa	gacccctttt	gttctctgt	gtcttcagtc	ttcttcaagt	25500
gctggtttct	cttctttacc	ctacaactgc	cacacagccc	tctgttctgc	tcattccaaa	25560
gcgtccttcc	cctcctgttc	ttttggaagt	ggtcatccac	actggttgca	ttgcctccgc	25620
ttccgatgcc	cccacctatc	cttaacctgg	tgttcccag	gttttttcat	gtcatgtcac	25680
acacagaaga	tgttgctgtt	tgagtagcac	cggggacgtg	tgcattgaggc	tgatgggagg	25740
ccgaagctct	ggctgccctg	ggagtaagaa	gagctagagc	cctcctcaca	gcgtctccag	25800
aaccatttgg	cagtacatgc	cttaaaccct	tgcagtgtga	ctctgcccct	gtcctatatt	25860
ttcctaaaaat	agccttcata	aacaccacca	gccagcaaat	gctcaatg	aggagcttgt	25920
ctttgttttc	tcctccttga	catccaagt	gcattggaca	tacacttgcg	gtttagagag	25980
actctagggc	tggactgcct	gggttcagtt	ccagctttg	ccagctctca	gcaggtgaac	26040
cttgggcaaa	ttccttaatt	ttcttatgtc	ttagtttct	caactgaaga	gagggatagc	26100
aaaaattccta	cctcatagca	ttgttatgag	aattaaatag	ttgccatatg	gagagtgtga	26160
acaatgcctg	tctcatagca	attgtctct	gagtgcctg	tgttgtctt	gagtccctt	26220
tcttaaagct	cttttctcct	gcttttctca	acatcggtca	ctcctgggtt	ttgtcctgtc	26280
tctctcagct	ctcttgttt	ttctactgtt	ttcattccct	ggcttctct	ctctccttaa	26340
catgaaggag	gtgttaggcc	aagcagcccc	acctcccca	accgcccctt	cttccataga	26400
cccttcacc	tccaaacggc	ccaggccacc	atccgaatgc	ctgccagatc	ccctcaccta	26460
catctctccc	tgaacctcag	acctaggagt	ccccaaaatg	ttttaatgtc	cttttttgt	26520
ttttaaagta	atacatattt	attatacaaa	atcacagaaa	gtgaaaataa	taaaatgcac	26580
ctcagtggta	atcccaccgc	tccgctggca	ccaccactaa	acttgggtat	atctccttca	26640
agcccagtg	ttctcagcct	gggccagctt	tcccctagaa	gacatttggc	catgtctgga	26700
gacatttttg	attatcaact	tggtagggag	aggtgtcct	gacattccag	ggatagaggc	26760
cagggatact	gctgaacatt	ttataatata	cagttcagcc	ccctggccaa	caaggaatta	26820
ttcagcccaa	cagtgccaa	attgagaagc	ctgttctaga	cttctgtctc	tacatatgtg	26880
cccaaatagg	aaaagtccga	atgggtttcc	tctttctagc	ctcatcttgc	ttctccacct	26940
gtgttcacac	tttttgtcag	tggcccccac	tcccccttct	ccctcactcc	acatccagc	27000
tgttcccaag	cctgcagagt	cctgtctgc	cacattgtt	gcagctctct	ctctcactac	27060
tctcagtgtc	gacattgatg	cccactcacc	gaaactaatg	aaaaagcctc	cagcatgcct	27120
tgctgtgcc	actggtgtgc	ttggggaccg	tccatagggt	tccagtgcc	attggattaa	27180
ttccacgcca	ggtggagact	aagctccctg	agggcagcag	cttccatctc	tgattcatct	27240
gggtgcctag	cctgaacctg	ccaccattcc	gagcacacag	tcagtgtctca	ataaatct	

gactcgtgcc	tgaaccacagc	gtggatgagc	gcagcttgcc	aggcttagac	tcttcttcc	27720
ttctctttgc	tccaggcacc	acactaaaat	catgttctct	gaggccggca	ggaactaact	27780
cccattcact	ctccaaatac	aggatattat	gcaaaatatt	ctgtattttg	tatgattcca	27840
caggtacacg	aggcctaata	acatgagcca	aggcaaagag	tgggtctgtg	tgggtggctc	27900
tgaccaaaac	ccccagctgy	tcttccctgg	taaggctgtg	tccagctctgt	gatcctcacc	27960
tcaggtctct	actcaaactt	gttctttaat	ggaggcaaga	ataggagaca	cggaaattta	28020
ggaggcagct	gaccagtatc	tgatacgaag	gcttgaaaaa	aaagtatttc	ttcttatacc	28080
tcactctccc	aaaaagagtt	atttgtttac	aaattccaga	ttaatatctg	aagatgcaga	28140
gaactcaggga	gactgtagaa	cagcgggtccc	attgttttgg	gcaccagggc	ccagtttcgt	28200
ggaagacaat	ttttccacag	accaggggta	ggggatgggt	tcgggatgaa	acttccactt	28260
cagatcatca	ggcattagtt	agattctcat	aaggaaatg	tagcctagat	cccttggatg	28320
cacagttcac	aatcgagttt	gagctcctat	gagaatctaa	tgctgccact	gacctgacag	28380
gaggcagagc	tcaggtggtc	atactcactc	actgtccacc	tcctgctgtg	cggcctgggt	28440
cctaacaggt	catggaccag	tatggcccat	ggcccggcag	ttagggaccc	ctgctgtaga	28500
acactggcta	ttgaataaca	ttggcctgga	ttgtatttga	taactctgaa	gtctcacagc	28560
cttgctggca	gccctctggg	acttaggtag	ctgtcactta	aacctgcttg	aatttccata	28620
tctgagagtc	ggtaactggt	aggaccagg	atttcttttt	tcattgcttg	tcagatatatt	28680
acagaggaga	gactatgttt	tgtattatgg	actttttttc	tccttctattt	atatttctca	28740
cccaaacact	ccttctctgc	ttgttgtgtg	ctctgggaag	tttccacgtg	tctgaaatga	28800
ggtgggtagg	agcgtggaac	tgttcaccag	accgcctcat	gcagacttct	ttccctgagc	28860
ctgtcagctg	ggagaaatct	gaaaggcctt	gcaaagcctt	ctgattgaag	ttctgatttt	28920
atcctccctt	ttgcaacaga	cttgcacaaa	tgcttctaag	caggcatthc	aaatagggtc	28980
tgccctgggc	ctagggagaa	gtggctgcc	ttgggaccag	tggatgacct	gtcctgcctg	29040
tgtgtggcag	agtcagggta	gcctctggag	ttctcctgct	cctccttccc	cagcctgggc	29100
tcgggcagcc	tgagcaggcc	tgtctgctg	agaatgctga	cagggagaca	agaggcagag	29160
cggatgctga	agaagacagc	agacatgggt	gaagagaaac	taaaggcata	gggatataca	29220
gaataacctac	tttctcttgc	ttaagaaatc	attcatggga	gtgtgaacac	actctgtttc	29280
tcatttctacg	gtggctgcct	gattgtcaag	tcccaggaca	ctttacagtt	cttgctttct	29340
agacttctga	cctgcaccag	cccttttgaa	accacctcc	tggttctctg	tttctctttg	29400
tacatctcca	gtaatgtcct	gctggccccc	tttgcaagag	cctcttctgt	ccaccacttt	29460
agggttggca	ttccctggga	tctacccaac	ctttgttctt	tctgtatcca	tactcccacc	29520
ctgagtgacc	tcttgtgatt	ctaactacta	actggatgct	aacgagccaa	aatctgtctc	29580
tctatccctg	gcctccctcc	cccagctcta	gtccagcccc	acaatatctc	agccagtgtc	29640
catccttccc	tctgtaaaac	gcagtgatca	gtgatgagct	aggtggcacc	ggctgtctga	29700
tactgctctc	tcccttggcc	cccaccaggg	gagtggtatg	tgtatttctc	aacctggcta	29760
ggccagttgt	acttgttgt	attatgcagt	ttaactaaat	atcagggaac	ccgatcaaat	29820
acgaacataa	aaaagaagct	gttgttttta	taaaaactaa	gttaaattgt	ttggaagac	29880
ctggataagg	ataagtcttt	aaaaattcag	ttgtaaaaca	ggggataatt	acaaaatcca	29940
ttaagcatte	tgtattcaaa	ttgcttcata	aatgtctaaa	ttctcattct	ttttaagaa	30000
atcaaatggt	aacgtatgaa	cagtgaattg	tgagtgtagt	ttattcagaa	aagactatgt	30060
agaattccgg	ttagcattcc	ctttttgaaa	gccttacatt	tacaaaaaat	tagtgaatga	30120
atatacatct	atataaatta	aaacattttag	tgatgggttt	gtcttctctc	gtttgattct	30180
cttctttttt	taacttctag	aataaccaac	caatggctgc	tgaagcacat	cacaggaaag	30240
ttctgtcat	aacgtttttg	agacttttacc	ccaccagttt	gttgcaaatg	tcagttgaat	30300
taagtatatg	aaactactga	aaaactgtag	aagactgtca	ggtgatccca	gctcatatga	30360
ggatagggta	tagttgtcaa	aatagaagaa	tgatctcaga	tatttgatag	ataaagatct	30420
gttggcatgt	ctcagaatca	gagtcttatt	gctgaaaatg	gctttggata	tctgtctcta	30480
ttggccttct	caatttatca	gttagagagc	tgaagccctt	aaaggttaag	tgagttgctt	30540
atatgcaaga	aattcaaatt	gccctgtgtt	cactttgcct	tcatttacac	catgctgact	30600
tgagagagaa	aaacattttc	cttttaagtg	gaaagaaaac	cctccgaagt	cctaattagg	30660
ttccagttaa	ttaaggtttg	aaaataaggg	ctttgcaccc	ttggagttga	ttccttgggt	30720
ccccgaaaa	caagtccatg	gacccacgt	tcggaaggag	gagcacatca	atctcccaca	30780
gcaaaaggact	ctggtgaggt	catttataaa	tcagctaaat	ggccctattc	agaagctcact	30840
gcatttgttc	tcttccccct	actgcctgcc	ttgtctctac	aaaaatccat	tttctcttgg	30900
tgcttttttg	agtagcctac	tgtttggaat	tgttctctga	tgctttgttt	gcctcagacc	30960
actatgtccg	tgcttttgg	ggcagtcctt	taaaaaataa	aaaataaagt	ccatttaagc	31020
tagcctcaat	tagagatgag	tctgtgcgag	gggtaccat	ttatttacac	atcatgccct	

actgtggtgg	gaaacagata	gggaagcact	gccttccagg	tgggattacc	tgctccaaat	31500
gtctccttta	cctacagttc	aacctagttc	taaagaggtt	ctaggtacat	gaatgactcc	31560
tttgtttcat	tgcttagaaa	gcaaatgcag	ataccaaatg	cattcttgtg	ctttttggtt	31620
ggatgggttg	agtaataccc	cttccaggta	gtttcttcta	tctccatgtt	ttctgctgct	31680
aagttaattc	ttggacttaa	catagatgtt	tgttttattt	tatttataac	atatgtctct	31740
catttctgaa	aagggaagctc	ccataacagg	ggcccagact	tttttatgtt	tgtagtaaaa	31800
ggaatcataa	tgctttataa	tcatatccaa	atcttgagct	ttgggagaag	gggaactgtg	31860
ggaagtttgc	tctctgcctg	gttcttgctc	agtgattcag	gcccactaa	tagactttga	31920
gagtaggggt	cacagagtc	cctggcactt	ctgcttcttg	ggacacgaag	cctgttctca	31980
ggcaccttcc	cacttaggtc	ctttacagag	actgcctgac	tataatgtga	agacaaggcc	32040
tcaggcttct	tagccatggc	attcagaaaa	gataccaagg	gaggggtggca	ggtgccagaa	32100
gaatcccatt	atgaaagtgt	cttgggaata	ttgattgatt	tttaggaagc	tacacctact	32160
gcctgctggg	gttctctctc	tagcctcttc	ctcatcagtc	aggtggcagt	accagaagc	32220
cactctgttt	gagggcttcc	atgtaaaata	agcatgaggt	ttgcaggaag	ctgtgcacca	32280
tcatgggtcc	cctgacaggt	ggttaggtga	tgtgagcagt	tccttctggg	tcactgactt	32340
tgggaattca	gaggaagtgt	aagtagtggg	ggagaaaacc	tgatgttacc	atcttcccag	32400
gcaaattact	ctcaactcca	ggagcttcac	aactgcattc	tgtataaatc	ctacttggtg	32460
caattttgaa	acccaaactg	caggcagttt	ctttgagtg	acttgattgt	aaagatagcc	32520
ttgttaattg	aaattatttt	taaataccct	gggacccaag	ctgcagtggg	atgtgttat	32580
gtatgacctt	gacctgttcc	agcctttaag	gcagggattg	acggatattt	tctgtaaaag	32640
accagatagt	aaatggttta	ggctttgtgg	gctgtgcagt	ctctgtctct	gctactcaac	32700
tctgctgttg	tagtgtgaaa	acaccagcgt	tgttttaaat	ggataaatgt	ggctgtgttt	32760
caacaaaaat	ttaagaacac	tgagatttga	attttatata	gttttcacac	atcacaaaa	32820
atgttctctc	ttttagttat	ttttcagcca	tttaaaaatg	cataaaccag	tcttagctca	32880
tgggtcatac	aaaagcaggt	ttggcctgtg	gtccataact	tgctgacctc	tgcttaaaaa	32940
gccagctagc	aattcagccc	tgctatccag	tgagctttta	gcagctcatc	atcacttcac	33000
aggggaagcca	ggctgggtta	tggaagaacag	tcgtgctaag	ttaaactctc	ggatggcttc	33060
atgcaattag	gtaaattatt	cctttgatta	gtaccatgct	tatccagtc	aatgggaggt	33120
ggggagtaga	ggaatgaatc	agttagcat	cagttccctt	attccattta	caggcaggtc	33180
gctttaatta	gcctgaagca	aaaggagcag	gggttctcat	ttcccacttc	tgcaagctca	33240
gcagctcttc	acagtcaggt	cttcatccca	cccaagccca	cttgagaga	tgctggctct	33300
gcctcgtgta	ggtgcgctga	aggtggggag	tgctcatggc	aaaatgtagc	gctaaggaaa	33360
ctgtgtagca	tttctcccc	acactgcccc	cattgccaaa	tgtagctgta	tgttttgttg	33420
aatctgtttc	tgttccttct	ctccaatata	gtcgctttca	agaaatgagc	attccagctc	33480
tgctgtttta	tatttgtacc	atataattga	tccaaggtag	gaaggatggg	tacatttatc	33540
ctgtctggct	cttcttgggt	cttattattt	atgttgtcac	ttaaacacac	gaggaagcta	33600
ttgatcacag	ggttgagtat	attttagtaa	tcattctgtt	ttcttagtcg	tagagctttt	33660
ctataataaa	tataggaaaa	taatgagaga	gccagcaggc	cacacagaaa	atgtaaagtg	33720
atgtgacaga	actctgcccc	tagtgacagt	agctgtcttg	gagaggacca	gctcagctc	33780
aggggttcag	ggaagatttt	ccagcagaag	tagtggggca	ttaggccttc	taaaagactt	33840
gagggctctag	ccaggctgca	aaggcaagca	gactgctggt	acaagcatgg	gagggatgag	33900
aaatggcaga	ttgttccagg	gtgtgtggtg	taggggtgcg	agagagagag	gagctagagg	33960
agacacagga	taggccttgg	agtctgttag	aatgaaccag	ggcagctatg	gaatgatttt	34020
aaatatgtaa	gtgacatgag	cagaactggg	ttttagaaa	agcctcccaa	aagtgaatag	34080
aatagaggaa	gtttataatc	caagagagaa	atgatgaggg	cctaacctga	ggtagggacc	34140
gtggggtgag	agaagatgat	ggaccgaccc	aagagagggg	agaaaatcga	caagcctgta	34200
gcaaattgac	tctcttgatt	agatgcggag	gggaggggca	ggatcagagg	ctagggatca	34260
gggaatcagg	tttccagttt	aggcacatgg	tagtaccacc	tggggacacc	accgtggtgg	34320
aggtcgagaa	gagagatgat	gatttccata	actaggcctc	tccggctccc	tcttcttctc	34380
ttaggaagga	agctttatca	taaaagtaat	atgttctcat	gttagaaaa	ttagaaaaa	34440
caagaatata	aagaaaaaat	cataatcacc	tatagtccca	tcaccagaaa	ataaccatgg	34500
ttaatatattt	ggtataattc	cttgtgcatt	tgccccttat	cacttcatag	caggagggaa	34560
gggtgtctag	cataacatat	gtatagtttt	tatttatatt	ctgctcttaa	atattaccta	34620
atgagttttt	cctatgtcat	taaaaaatct	tctaaaacat	tataatacct	acataatatt	34680
ctgtcatatg	aatatactct	taaacattca	gccactcccc	aattttgaat	attttaaatta	34740
gattctgatt	tttttggtac	tacaaaataat	agtaccatgg	ccatggccat	ctgtgttcgt	34800
aaatctttga	cctgatctct	gattattttc	ttaggacagt	cttagaactg	tgatgacagc	34860
atcaaggata	tggatatatt	taagattaat	actgaaacat	attgccacat	tcccttccag	34920
agaggttgta	ccaatttata	ctccttcagt	agtatgtgaa	tcagggtacc	ttagatggaa	34980
acatctgtca	ggagttctct	gcctacacgt	agctctggcg	cactcgcgcg	ctctcttttt	35040
ctcgtctctc	tctctctctc	tctctctctc	tctgtctctc	tctctctctc	tctgtttgtg	35100
gtcttagatt	atttctttat	ctctcatatt	ttattttcat	gagctcctct	ttacaaagag	35160
ctcaatgtgt	cacagacact	tttaaaaaaa	aaaaaaaaat	gaatatataa	ataagagtct	35220

gagttttttg	ggacaacaaa	taatagtacc	atggccaggc	catctgtgtt	cgtaaatctt	35280
tgacacgata	tctgagtatt	ttcttaggac	agtcctagaa	ctgtgaggac	agcgtcaagg	35340
atatggatat	atataagatt	aatactgaaa	cacatagcca	cactcccttc	cagagagggg	35400
gtaccaatat	atactccctc	agtagtatgt	gaatcagggc	acacaagatg	gaaacatatg	35460
tcaggagttc	tctgcgacac	cagagctctg	gcgcactcgc	gcgcgctctc	tatctcgtct	35520
ctctctctct	ctctctctct	ctctctctct	ctctctctct	ctctctctct	ctctctgtct	35580
cgtctctctc	tctctctctc	tgtctctctc	agggtcttag	gtctctgaaa	tatcccagtg	35640
ggtgtgggtc	tagattattc	cttcatcttt	catattttat	tttcatgagc	tcctctctac	35700
aaagagctca	atgtgtcaca	gacacttctc	gttgtgttac	ttattttaaa	aagtacttac	35760
aagggtccta	aaatttaaaa	cagctgaaag	agggtggtga	cagtatcttg	ctaaactctt	35820
gctaagtctg	agactgggga	atgacccctg	ccccaagtta	aggctctttc	ctctcattag	35880
aatccttaaa	gaaaccattt	gtgtttgaag	tggggctgag	aactgttggt	gcattctcag	35940
atcctcagag	aacatttgta	acttcactag	tcttttctct	tacctcctgc	gtgtattacc	36000
tcttgggcat	tgtttgagtt	ggtctgacat	gaataattat	aaggaaatcc	agttgaaaac	36060
agaatcgctc	tgtataatct	gtgtcccat	aagaattgct	acacttctct	tgaagtagt	36120
agtaaacagt	acaggaaggc	ttctgctaga	agttcaaggc	ttccatttaa	acattgacga	36180
cttactactt	caaccgtgga	gatagttcta	gagtcagcga	ggcttgaaga	atattagcct	36240
ctctacatttt	cccagttacc	aattttataa	taatattagc	aaaattttca	tttaaattta	36300
ttcatctcat	ttataaagta	aatccacagc	caagaatgtg	tgccctctta	gctgttcagc	36360
actcaggcta	tctaggacag	cctccgtgga	agagagtggg	aggaggaagc	agtgaggggt	36420
ggaacaagct	gcatccctga	gctttgggga	gaacctggga	gcgtgaattt	cagccgtcgc	36480
gggtgttgga	atctcccttt	tgagaaaaag	gaagagacag	agattgattt	agttagtaca	36540
ctttatggaa	tcaaggaaa	caatccatgg	ttatgcatcc	caaggcatga	acaatagaca	36600
aacttgaaaa	cttgacctaa	ttatatataa	gcaacactaa	ttacagccac	ttatgtgtgg	36660
tggccactat	ttctggcctt	ttcaccagtg	cataaaaaact	aatatgtgtc	attaagcatc	36720
agattacttc	tgttgagtgg	ctcatttata	taacctgaa	ctcttctgtc	gcttactctc	36780
cttgtaggca	agtcacttag	tcattttact	atcattttca	aaaattagaa	ggaatacagg	36840
ttgcattatt	ctggaagtgt	ttaaaaatac	agactcagag	gtgatattcg	accagtacag	36900
gagggttgct	tcctgtgtgt	tacaaatact	gctcacagtt	ctgtgaagga	gccttaggca	36960
gcagaagaca	aactttctac	cctcaagctg	cttcagcaat	ttgagaactg	tatgtacttt	37020
aaaaaacacc	aataagataa	aagcaagggc	acagtctctt	gaaacagggc	tgacagaatc	37080
gcaaacccca	tggttatttt	gtgggatggg	attagggaaa	gaaggccagt	ttggaggggt	37140
aagccgtgag	ccacactgtg	atgaaaggga	aaaggagctg	aaaggatatg	agtaccacag	37200
ctgtgagagg	taagggtatt	atccccctac	tcctctctct	gagtgctgaa	cccactgaga	37260
aatagtcatg	catatcagac	tgagattatt	ccatctatta	ctgataccgt	ttgggttaga	37320
aggycaatcta	acagaacagc	ccagaagttag	ttaatgtaaa	aagaaactga	ttggagtgtg	37380
tagtgagagc	agaaagtatg	cagagacaga	gagaaccatg	tcctctatca	gactggaact	37440
ggggatggcc	cttgtgcgac	cttctctgct	agggtgccct	ccagtgcagg	gtctgctggg	37500
gaggaccagt	ggctaagtct	tctgctcttg	gtcagaacag	ccagtgcaga	tcctcagaag	37560
aactctgaaa	gcaaaattga	ctcccacccc	acttctagaa	gcatttctact	tgcttctctg	37620
ttctttctgc	ttgcctatat	ccagggtcat	ttcttataga	tgaagaaagt	cctaccccca	37680
gcctactcct	ccaccttcac	cctgtgacct	tctccacctt	cacctgtga	ccttctaggt	37740
tcaccttttg	aagctgaaga	ttgaaactcc	aaatcctgct	gcagagaagt	tcacatttgt	37800
tttctctagg	cagggccact	ccatccaccc	ctccttcta	gggtttccct	gatactttat	37860
ttatacctgt	tacctgtcct	tatcacactg	ctcattgtct	ttgccatttt	ccttttgctt	37920
ccctgtctcc	ttttctaaga	ttgtgagttt	cttaagggtta	aagacaacat	cttgtccacc	37980
tttgatatcc	cagcccctgc	ccagtgtctca	tttttaacca	ggcattttcaa	ggtcttttaa	38040
catcactata	catattgatc	ttttaaaaaa	gatgatggtta	gctgtgttca	ggagagtggg	38100
ttgtagctct	agaagagagg	cgtgtttata	taagaggatt	agatacatat	tatgagccag	38160
ggcggttttc	tttccttggt	aatgaaaggg	ctgggtgttt	gattatttgc	tggggcatcc	38220
agggttttag	acaaggtata	atgaggactt	tctcaagggt	gagttgcctg	aacaggtgtg	38280
aggagccagg	aaactctggc	accccactgg	cctggcagtg	cttctgagge	atcctgagca	38340
cttcgggtgct	cacttctcag	accaactgtg	tcctctcag	gggagcatgg	tggaaagggc	38400
actccagggg	aagggaagaa	gaccccatgt	tgccatgctg	ggaagggaga	tgtctggcct	38460
ctggcatgga	aaggtaggga	ggcaccaaac	ttcagaaggt	tctctagggt	cagctaccat	38520
tagctgttag	tccttagacc	catgatgggg	atgaaagcga	tttgtgtatc	aagggtgctg	38580
tgcagtctaa	tgctccttct	gcaaaattct	gatcagaacc	tatttttgct	tttaatggag	38640</

ctgcacgtcc	ttgccctgcc	tccatgtcac	actccacgtc	actcatatgt	gagcacaaca	39060
gctacatcag	agacgtggaa	ttctttgacg	ttagtaaaac	ctgcattagg	gaaggggaac	39120
ccttgccagct	gacccttaga	tttaaaccat	gactgcttct	tgggacaggc	ccagtttatt	39180
tcggttttca	ttgttcagtg	agctggggct	ctgctgcgaa	ggccagaatc	cttttgttct	39240
gtttgctctc	tgtcctaagg	gctgctgcc	gactgagttt	cccaaatgc	tgctttcccc	39300
ttgccactca	agagcctgca	gtcttattaa	gtaaatatca	tggatcagta	agatttccaa	39360
aactgttttg	aagacaagat	ataataagat	tgttgccctt	ttactttacc	aagcaaggac	39420
atttttctta	aaaagccagt	taccactcac	tatcttcatt	attttataaa	tgaaaacatt	39480
ttagcatgaa	aacaaagac	acataatttc	acaatatgga	gcagttcttt	acgttgactt	39540
ggttgaactt	gggtggaacc	tatttaattg	tcctatcttt	ttctcatttt	gtttgatctc	39600
aaaccagcct	gtgagaacga	ctggattttc	acatcaaadc	taagtgcctc	agcctttggg	39660
ggcctctgtc	aggtagcctg	gtgtgggtgt	tccttgcttc	ccactaacc	ctatccttcc	39720
tcctccctcc	tgccttgcc	ctgtagagtc	tgggctcca	tttgatcccc	gcaaccctac	39780
acacctcact	ccctctagaa	gcctgctcca	aatagacttc	ctcttccctc	aatatctctg	39840
gccccattcc	ccatctctcc	cctaggtgcc	tggtgcgga	caccatcagc	tttcattcgt	39900
tttgttttgc	ggttttcttt	ctttactcct	ttttattttc	ctccctgcct	gcattcttga	39960
ctataactgt	taagaaggca	gatgtcttgc	tgttgcttcc	ttcagatttg	taaatctagc	40020
atggtgctgg	gcacagaaga	ggtagtcac	cttttagtgg	ggcatcactc	ggctagctca	40080
cagctgttca	cagtgatctg	atgtcacctc	tgaggtcact	gggtgccag	ggacactgtg	40140
cccattgtat	tgtctacaag	gtgaaaatgt	ggtagtctc	ttcctcaaga	aactcccaca	40200
tttttaaaag	agtgatagta	ttgtagcacg	gtttgttttg	ctttataata	cttcttgatt	40260
cccttgttaa	gtgacatggc	agatatTTTT	agactaaaga	caatttaaga	gctttaaatt	40320
attttaattt	tataacttta	aaatattcct	tttgatttac	ctttttaatt	gcccacatgt	40380
tttttttagta	tctaccaggt	acaaggtaat	ctgctaggtg	tccgggacaa	agacaagggt	40440
agaacatggt	cacagcactc	agagtggctt	actgtctcct	ggaagacgta	gaggcagatg	40500
ggacaggggt	gcacaggaag	agcctggaca	gcaggtgtgc	acgtggctgc	tttcgtgttc	40560
tacagtaaca	ccagctgtgg	tttgaagggg	ccactttcaa	agtcagttag	aaatgtggga	40620
actgtttaaa	agttttctcc	tagcaacttg	ctcttatact	agaaatgcta	aaaaacaaat	40680
agaaattatt	taattgtctc	ttgaatcgtg	acctcctggg	gtaaaggaaa	tctgccagag	40740
tagatggaga	tgagggcaac	accaggggag	ggaatcccaa	cagggtttctt	atctgcttgt	40800
cagcatgagg	ctggtagcct	cctaaataag	aagatgtgct	aatgaatagc	agagtctact	40860
ggtttcgaag	cacatttgaa	cagagagctg	tgactgagct	ctgagaatgc	tggcttggcc	40920
attaggcagt	ttgaaactga	tttgctactg	tcagtttcga	cccgtaaata	acagggcgct	40980
ctcccccttc	attctcctgc	ctgccacctg	ccagccaagc	tctcaggctt	acccacctcc	41040
ctggtggcta	tgccagagca	cagctgagct	cacctcgagg	ggagcagagc	tcctatcttt	41100
cctggacctc	cctggctgcc	tagtttctctg	gctgggattc	ctgacctctg	gttgccaaga	41160
ctaccttggt	ggctccctgtg	gagttctgtc	ctgtttgcc	agaggcctcg	ctcagaacttg	41220
ttcctttttg	gtacatgttt	ccactccaga	ctgccccagg	ccccaaactc	cagctctcct	41280
gttgctacca	gcttccagtc	aatgactggt	tatttgaaca	tctcctgctc	aacaagagaa	41340
tgtagtgatc	aagagcatgg	accctgggtc	agactgcctg	ggttctgatc	ccgactccct	41400
cacttagctg	tgtgactcta	actcttctgt	gcctcagttt	ccttgctcagt	gaaatggaga	41460
gcataacagt	acctacgtta	taggaatatt	aggttagatg	agatgtaccc	gtaaaaact	41520
tggaaacagt	cctgacacat	agcaagcacc	cagcagggat	tagctgtgtg	gccagatgg	41580
gagaaagggc	ccacttctgt	cttcacagaa	gagctacttt	aacacagagg	tgaacttgg	41640
aggactacag	taaacgatgt	tggccatcag	cagccatggc	atggagacat	cgctccttt	41700
atgatacttc	cagtcgatct	gggaggtggg	ggaggatttg	aaatgtaaat	gcaaggcaga	41760
gtgagcctca	ttgccccctg	cagggaagca	gaacagtctg	gtttggctag	gtccctgaag	41820
ggagctccgt	ggtgagggat	cagcctaggc	atggtgggtc	tgagttcctt	aatggggtaa	41880
gatttgggag	caagggaaggc	aaagggatgc	agctctgaac	atcacgcccc	aagtcacgca	41940
aatgtgagct	gcaaagtatt	tcatcctggt	ttgataacta	ggccagagtg	catcacaccc	42000
gctaacgttg	gtgcagctgg	aatgtttcca	gtttttgctg	ttataaataa	cactgcaatt	42060
aatactctta	tgcataaaa	tcaaaaatca	ttttggatta	tttccttttg	agtacattct	42120
taaaacttact	agattgaagg	aaattaacct	tttttctgtg	gctactatgg	tctttcttac	42180
taccttttat	tattttatta	taaaagtaat	acatatttat	tttataaaaa	tttagaaatt	42240
gaccaaagc	agccattggt	cacctatcac	tgagtaataa	catttttcta	tataccta	42300
ggcgtgtacg	tgtacatttt	tagagctttt	gactttgaga	ttacagtcac	acattgctta	42360
atgacaggg	cacattcaga	gaaatatgtc	gttaagtgat	tttgtcagtg		

tagattggaa	atttgtgtt	attattgctt	tgactcgcat	ttgttttcct	gcttgtgggc	42840
tcaatcaact	cttcaatcct	ctttttgcca	tttctgtgaa	agggcacatt	ttaccat	42900
atatggtatc	actagaatct	tataatacct	taagcactag	acctaccagc	cacatttagc	42960
taaaagcaact	tttttccctg	ctaaggata	cttacatata	gtaaaatcca	cccttttttag	43020
tgtacagttc	tgcaagctac	acgtatagtc	atgtaattgc	caccacaatc	aagatacaga	43080
acaattccat	cacccagaa	aattcccacg	tgccccctctg	tagtcagttc	ctcttcccta	43140
gcttcagccc	ctggcaacca	ttaacctggt	ttgocctctt	atagttttgc	ctttccagaa	43200
tgtcacacaa	atggaatcat	tccgttggtg	gcatttttaag	tctggcctgt	ttcacttagc	43260
atgaaagtgc	atttgagggt	cgtccatgtt	gttgtgtgta	tcagtgggtca	ttcccttttg	43320
ttgcagagta	gtattctgtt	gtatagatat	accacagttt	gtttatccac	ttaccagttg	43380
agaatatatt	ggctagtttc	cagtttttgg	caatatgaat	aatgctgtat	ttgcctacag	43440
gcttttgtat	gaccat	tccattttac	ttgggtaaa	atttggaata	agattgctcg	43500
gtcatatggt	taagtgtata	tttaacttca	taaagaactt	ccagttttcc	aaagtgacta	43560
taccactttg	cattctcatc	agcaat	tgtttgtttg	tttgtttttg	tttttgagat	43620
ggagtttcgc	tcttgttgcc	caggctggag	tgcaatggta	caatcttggc	tcactgcaac	43680
ctccgcccct	tggtttcaag	tgattctcct	gcctcagcct	cctgagtagt	tggtgattata	43740
ggcatgtgccc	accacgccc	gcttattttt	tgtatttaat	agagatgggg	tttcaccata	43800
ttggctcagtc	tggtctcaaa	ctcctgacct	cagggtgatct	acccacctcg	gcctctcaaa	43860
gtgctgggat	tacaggcgtg	agccaccatg	gccagctgag	aattctat	cttatgtgct	43920
tgtcagcact	tggtattgtc	agttttttat	ttgttttgtt	ttttaggtgt	ggtgataggt	43980
gcatagtggg	atttcattgt	ggttttaatt	tgaatttccc	taatgacaaa	ttctgttgag	44040
catcttttca	tatgtatact	tgctgtctgc	atatcttctt	tggtgaagtg	tctgttcata	44100
tcttttgccc	atttttaatt	gggttgtttg	gtttcttatt	actgagtttg	gagaattggg	44160
gtgtgtgttt	gtttgtttgt	ttgtttgttt	gtttgtttgt	tttttgagat	agtcttgac	44220
tatcgcccag	gctcgagttc	agtgggtgcaa	tctcagctca	ctgcctctc	tacctctgg	44280
gttcgagtg	tctctctgcc	tcagcctccc	aagtagctgg	gattacagac	aaccaccacc	44340
acgcccggct	aattattt	tatttttagt	agagatgagg	tttactatg	ttggccaggc	44400
ttgtctcaaa	ctcctgacct	cgtgatctgt	ccacctcggc	ctcccaaagt	gctgggatta	44460
caggcatgaa	ctaccacgcc	tggtcctggaa	aggattttta	aaaatat	agatacaaat	44520
cctctaccag	gtttgtgatt	tgcaataact	ttctcctagt	ctttggcttg	tcatttcatt	44580
tcttctctct	ccattctctc	tggttatct	tttctgtct	tttgaaga	agaaattttt	44640
cattgttatg	aagtccaatt	tatcaatcta	ttttatggat	tgtgcttttg	gtgtcatatc	44700
taagaacct	ttgactaac	caaggctcga	aagattttca	tctgttttct	tctgaagggt	44760
ttataatttt	aggatttaca	ttttagtctt	ttctttttt	aaaacatatt	gccaggcct	44820
agaagtttct	tttggaatac	agttgcacct	gagaagattt	gggatggagt	tggtctcagg	44880
agccttgcca	ggcatgatgc	tctctgtgag	ccatctgaaa	aggaggtgtg	tgcttagaa	44940
gttgcgccgag	gggtggcttt	taaacagata	ccaggcttct	ctggcttaag	atttggcatc	45000
aaactgaaga	ttgtatcatt	tgaaaagagg	gtatgggatg	attagagaaa	aacctccaaa	45060
ctttctagat	aagtccttct	aactgttgca	caaagttgaa	atgaagaatg	gtgccaaca	45120
caggactttg	ccgattacat	gtgaacaccc	atgtcagtg	ctcacccaat	catgttttaa	45180
tctcataact	gagaggcttt	aaaaaattat	agtcaacaag	gcagcttgct	agttatgact	45240
gccattggaa	tgaggttttc	ctcagaacag	ctggagtgta	atgtggtggg	aagaaagcct	45300
ggatgtgggtg	agagaccaag	gattgtctgc	ctgggaagga	tgtgcagcta	atgtttgatg	45360
gaaatctgtg	agatgaccaa	cctcagccaa	gctacataga	ggccctccat	acactgcagc	45420
cgaagtgtct	agaaaacaac	aatgataatt	ggcactgtat	caccgcaaga	gagataaaac	45480
acagctctgt	cttcaagaaa	tgcatgggtcc	actctgtgat	ccatgctagg	ttgtagaagc	45540
tggcagaaga	ttccagttcc	agtaaggcaa	ggcagttgag	agcagcctgg	aaatggcttc	45600
tccaagaatg	tcccaggcag	agcattgccc	tgggttgggt	tgttctggaa	tgtacaggcc	45660
attggtgtgg	ctgtgtcaga	ggaagggtct	ccagtggtgg	tgggaaatgt	tggggatgta	45720
accagggtctg	atctggagga	acttgtttgc	tctgccttga	aatatgagtg	ttttcggtctg	45780
ggcaggggtg	ctcacaccta	taaccagca	ctttgggagg	ccgaggcggg	tggtacacaa	45840
ggtcaggaga	tcgagaccat	cctggctaac	atggtgaaac	cccatctcta	ctaaaaatac	45900
aaaaaattag	ccgggcgtgg	tggcgggcgc	ctgtgggtcc	agctatttgg	gaggctgagg	45960
caggagaagg	gcgtgaaccc	gggaggcgga	gcttgcagtg	agccgagatg	gcgccactgc	46020
acttcagcct	gggtgacaga	gcaagactct	gtctcaaaaa	gaaaaaaaga	aatatgaatg	46080
ttttcttgaa	ttcaacttgg	tgctgttgaa	gcattttaca	tataggagtt	gtgggatggg	46140
acctcttttt	tagaaagatc	tctttggcag	ctctgtagag	aatgagttgg	aaggggtcaa	46200
ggtgtagaca	tcaaggaagc	cagtttagatg	gctgtggctg	tatgcaggtg	aggccacaca	46260
gctgacagga	gggaacagat	gagagaagtg	gaatcagaac	cacaaaaggg	aggggggaca	46320
cctggatatg	cccaggttct	tgacaggcag	gaagacgtgc	caccagggag	catcatcggc	46380
accaccagg	ggaggaagag	caggcatggg	gtggagacc	tccaggcttg	aggtgcgtga	46440
gctgcccact	taaagacgct	tgccaggtgg	ctggaccgga	agtctgctgc	tcctcttcta	46500
ccttgccaca	ggctgctgcc	tctgagttaa	agagacatgg	gaagcatcgg	gattgctcat	46560


```

acctcccaaa gtacagcagg aaggactaga agcaatatga aatctaattg gcaagaccac 46620
ggtgagcaca caggcactta ggagcagcac gtggcaccac tgaaagcctc catcccctga 46680
cagtgaagccc agaggctact gtggagcagg aggaaaccag ccgtccttcc tccttgcttg 46740
caccctccct cctcacctcc tactctctgt ctttccagct gagcccttct cgtttattta 46800
aaaaaaaaaa aaaaaaaaaa aaagggaatt cactcccagt ccttttgaaa cccaacatgt 46860
cagtgataga tgagggcgta ttctgtaact tcaaaggaga aaagttgagt gagtgaatgt 46920
ggggcagagg agttgaaaag tccaagggaa caggagaccc atgggggtgac cccaccatca 46980
ggaggagtgc ccccatccc acccctgctg gtgccatgca gaggcacaga caatgccact 47040
ttcaataaat catgaaggat tctgaatgcc tggttttgtc ccattttcaa tgggccttgg 47100
gcatattgct cagatatagc cagccatttg tgcaagggtc ccagctactc aaaggctcaa 47160
agtcgagtgc tctttccact atataatgga gtcttcacat atgtgatttt gggggagatg 47220
ttttcagatt tccatagcta gtcatagtaa agatgacctc gtgggcagtt caggccattg 47280
tccccttctc acatccagcc tttgagtaag gctgcgcttt caggagtatc catgcagcac 47340
ctaattcaat cacacatctg acccctgcct ctctttcgca ctggccctct ctctgtgctc 47400
agtgtgctgc tgggggcctc tgcacaaacc cggtgttctt ggaggcgtcc tgtgctaagc 47460
agagagcact tggccatttt cccactttc tgaattcagg gccccctggt gaatctggcg 47520
tggggatggc tgcctgttct catgagcgct cgcacatgaa ggcgcctgtt ggaagcgctc 47580
tttaagaatc cccaggttgt ttccatcctg gagtcttgca aagaaagagg aagaataacc 47640
tggggtcatt taagggtctg catggctcatt tccttaatca tctgtgacca ctgagagcct 47700
tattttctat aaagaagcac agaggcttct ttggctttgc tttagtaaca acaaacagct 47760
agaatttatt gagagcctgc agtttgccaa gtgctttcac acattcgatc atttaatoct 47820
caagcctttt acccttgttt agagatgagg aaactgagac ttgagcttaa acacttgtca 47880
aaactcacat agctagaggt ggcagaacta ggatggaatc atttctcttt ttatttgagg 47940
cagggtcttg ctctgctgcc cgggtctgga tgcagtgcca tgaacatggc tctactgcagt 48000
cctcctaggg tgcagtgatc ctcccactc agctcctga gtagctggga ttataggcac 48060
gtgtcttcat gctcagctaa tttttttgag tttagtagag ataaagtctt accgtgttgc 48120
ccaggctggg ctccaactcc tgggctcagg cagtcttctt gcctctgcac ccccatagtg 48180
ttggaactac aggtgtttgt agcgactggg ccaggactag gccagctcta tttcttattc 48240
tgcttacttt ttcattttct tcggtagatg ttgatgttgt tttatattct tctaaaaatc 48300
taaaaaatgg atcaagtcct gaccttagga ttatttgaag agctatttaa aatgctgtat 48360
gattccattt aggtaacatc ctcaaaatga cagatttata gagaaggaga acaggtaggt 48420
agttgccagg agctagggat ggcgggggga gcagaggggt gcccaaggga gagctgtgta 48480
aggatgggac agtctgtatg tagattgcca tggcagttac acaaatgtac gtgtgtgacc 48540
aaaatggcat aaaactagac acaccatta tgccaatgtc agtttcctgc gtttgatatt 48600
gtgtcataat tatgtaagat ggaaccttgg gtggaattg gagatgggca cgtgggaacct 48660
ttctatacta cctttgcaat ttctgaaagc tataattatc tcagaataaa aagtgggttg 48720
tttttttttt aattcctctg tgtgcaacac cagcattgcc cccaggaaat agccaggctc 48780
cagttcaggg gctgcttgcc atcagaaagc aagccacatc acacagtcaa agttggccta 48840
gaagtggggc acaaactaga agagggcca ggttttatcg cctgtcagat gtgagcttag 48900
gctctctcga cttatgggaa agcactgaac tgagagtcag ggcccccggt ctcaagtatc 48960
agggctgcag ttgtgtgacc cagagcaagc ttctcaactt ctgtgagcct ccagcttccc 49020
agctgtaag taggcatggg aactgcaccc accctgtgag tctggcagaa tgtgttgatg 49080
tgcttagtat catcttcgat accacgatca atgttattat tttatctttt cccaatttta 49140
ctcccaactt tgcagtcaga ccaatctctt gtgtattcat ggaacattga atattcattc 49200
ttattttctc tgcttttgat catttattcc ttcaacaatt attattgagc acctgttttg 49260
ttgaaaattc tggaaggcac tagggatata ttgatggaca tgccccatgt ggtctttgcc 49320
ccgggagagc taaaggtctg tttttttccc catcacctgg aatctctcct gagtgcaccc 49380
atcggtcaga tccttgctgt cctgccagac ctgaggcctc atctacacca tgcaggcccc 49440
tctaccagat cattctctaa gctccctcag tattagaggc agtgcagctc agtcatcttt 49500
gccaaccttt atcctgaacc tcccatggga cctggcatgg agctgcacac cacagagaga 49560
atgcttagca ggtgcttgcc cacagaactg tgaaggaga gcccgaggga gacttagaca 49620
ggagcctttt gaggctttca ttttacagat gaagtcctga atagggggcc tggactaaat 49680
aataggaagt ggctataagg gtccccaacc catttttaat aggataatgc tagttcttat 49740
attgatctta atttttgttg ttgttttggg tttttttctt ttatttctgt tctgcagttt 49800
ttggactagc tgactgacat ttcctctttt aaccttttac agaccctgaa agaagctcta 49860
gttcagggtc tattactact tagctgtgtg actgggccac aactgggggc aggttcattg 49920
aattgaaaag gtgaagccaa cctatctctc acctgctctc cctgagtgga ctcaccttagc 49980
acctgcaggc tccaagctt 49999

```

<210> 16

<211> 49999

<212> DNA

<400> 16

gacattgcct	ggagggagcc	caccagga	cccccttcc	ccagtcacag	ctctccacct	60
gcaactgggt	gggtcagtc	actgagctct	cacctgattc	ttcagcgccc	accttaattg	120
acagtgaagc	ttgaggaggc	tgacattcct	aatgccattt	gcagttctct	gttagaatct	180
agagaagggg	aaaggtaaat	tgttgcaact	tgcagcctcc	aacacagtg	cctgtttgt	240
gggagaagaa	acaggaaagt	tggcccagta	ggaaattgca	agactttaga	gccgtatggg	300
tttgagttcc	atttccaggt	tggcgggggt	tgatttatgt	attgccagac	cttgggcagg	360
ttagttactt	aacctccctg	agcctcagtt	cctccacctt	taagatagga	gcagtgatac	420
ctggacactt	gttcctggca	cagtctctgg	ttgcatgtgg	aacctgtgat	tcctactgct	480
tatcacgggg	ccctgcattg	ccttaactta	aagcctttgt	ggggatcaca	aagagtaaac	540
ttacactggg	gtttctctac	agggaactta	aatctagttg	ggacaatatg	attgttaaac	600
aagtacacag	ctagagacat	gtttcaactt	gagaataact	gagaagaatc	aggccatgat	660
agaagcaatt	ttcatgtatc	cagactgtca	gaagccagcc	ctctgccatg	ctccaacagg	720
ctgggggtgg	ctcttccctc	cccaggcaga	gattaatgga	caagtgtgta	ctagtgcgtg	780
gggttctggc	agcttccctg	tggaggcaca	tctgttgacc	cagcagggcc	ttggaagctt	840
tttttcagtc	gtgagcttca	tctagtggca	tagggcctcc	ctgatgtcgg	tgctctggag	900
ctagcgtcac	tgggtcataa	aatcagggct	gccttgattt	tatcaagggc	tgaccccggt	960
tcagcacagc	cacaggagag	cagtgtagtg	gtagtggggc	tgctgaggca	gacagcaagg	1020
ctttgaagca	ttgtatcttc	ctgctgcggc	ccaaggagtc	ctacagaaag	caagccacag	1080
agagagtgtt	tcccagatac	tgctcaggta	aagaaattgg	accttattgt	tgtagaaatt	1140
actcaggttt	tagagtgtac	acatttgaa	atattgagtc	ccaatcagct	tgttccagca	1200
tgctatgttt	tgaattctga	tctcaactca	ttatcaggaa	taacctctgg	ccttactgta	1260
taatacatca	agaacatcat	tgagtttccg	ctatagctag	gcactgttat	tatctctttt	1320
ttacatagga	ggcacctaag	gtaaaagaga	ttacatacta	acaggaagta	aagctgggat	1380
tcaaaaccca	gcagcctaaa	gaggctgtac	cctttacttc	tctactaagc	agccccctgt	1440
tattgggggt	ttatttttga	gatagagtgt	cactcttgcc	caggctggag	tgcaaggcca	1500
caatcttggc	tcactgtaac	ctctgccttc	caggttcaag	agatttcctg	cctcagcctc	1560
ctgagtagct	gggattacag	gcgtgagcca	ccgcgcctgg	cctgtcattg	gttgttttca	1620
taggtagaag	tgttcacaag	cagaagttcc	ttccttttgt	caaagggtgt	tccttggcag	1680
aaaggtggaa	gcaagagcat	aaactctgtc	tgacaggcac	aaaggtagac	tagaagatct	1740
agactagact	aaaaagttag	actttgagat	ccctgtctct	ccccctgagt	tctagcccta	1800
cagcctctag	agagattaca	tggcagctag	agggaaaaaa	agtttctgct	taatgaaaac	1860
attcccctaa	gattatttgt	aaacttattt	ttttaacatt	taacatttgt	tctagtttct	1920
taaatgattt	tcaactgtga	gattatccaa	ggagtttttt	attaccaaag	ctaatttttc	1980
atagttagca	ttacaaatag	aaagtttgtt	cattttcctt	ctttttatcc	tttctctccc	2040
cccgcgcccc	cccccccgcg	ttttattaca	tagagacagg	gcctcactct	gttgccaggc	2100
tagagtgcac	tggcgtgatc	atagctcagt	gccgcctcaa	attttctggc	ttaaatgacc	2160
ctcccacttc	agcctctctg	gtagctggga	ccacaggctg	atgccttggt	tgatttttaa	2220
atgttttgta	gagacggagg	tctcgctctg	ttgccaggcc	tgctctcaaa	ctcatagcct	2280
ccagcagtc	ttccatctca	gctcccaaag	tgctgtgatt	acagacgtga	gccacctcac	2340
ccagcccat	tttcttctct	aatggatcct	ggcccttcca	aataccctcc	atttggctct	2400
tgtatttcat	attaacagta	aacttttgtc	tgtactgttt	taaacttcac	aatacgctgt	2460
ggttctttag	tttttaccac	agttaaaaca	gcattcttta	gactgatatg	tcattctgta	2520
aagaaataga	ctatctaaga	cacaactaat	tatcttgga	taggaacttc	aggtaacccc	2580
aggtatgggc	cccatagggt	tcccttccag	actgttctga	gcgaccaatt	aagagatgtc	2640
agatcaatgg	gcatttttgt	ctggtagtgt	agtggaaagt	gactcttcta	ccaggagggt	2700
ctgctaacc	cattgttgca	gggtgaagcc	agggtgtagg	agcaggggag	caggcagctg	2760
gggaaggagg	tagattggct	gccccaggtc	cagaagggac	ctgagatggc	agtgtagttc	2820
tggaatatgt	tatccagata	tttggccttg	tctgggagga	aggaagcaga	attagcacgg	2880
aatcaagtcc	tgaactttga	tgggagctct	tagctgcgta	agacagcctt	atgcaggaga	2940
actcttca	gccatttggt	tctcattaaa	acatctgaag	atgtgagcac	tggtctctct	3000
gaaactcgtg	agcgtctctt	ctaactgata	tagcaggggc	ttattatgag	tgcttctctc	3060
cagcaaacct	agaaagtgtc	tcacattcac	ccgtaaaaaca	aacctagagg	acaacctatg	3120
aggaactcag	ctctgtttta	caggtagaaa	gtctaggacc	atcggaaccc	caccaccaac	3180
cccagaatct	gggagagaac	agagacaagg	tcagagctgc	tggctccccg	cttgggggta	3240
tataactccc	cgactcttca	agtccctgga	aactgaggcc	aattccctgg	aagatcattc	3300
tgttctctgc	tgttttttca	agaatacagc	cagcttgatc	actggctctg	agtattgtat	3360
gggaatgtcc	cgttttcttt	tttttccatg	aactgaaatg	ctaccattat	ggtcatgttt	3420
tcacagctct	gtgttttaaac	ttgctgggat	ctcataattt	tatgtatgtt	tggtttatat	3480
tttgaagaac	tttgctttgt					

agaaatgaagg	agaggagtgt	cagaaagaat	ttgacatctg	taagggtggg	cacagctcct	3660
gtgactgggc	ttcatgtttt	ctgatttcaa	tatcacagat	gcagtcgtcc	tgcttgggtg	3720
cgtgggggag	ggagagttta	caaggttatc	tcttacaaca	aaccccatcg	aacattgaga	3780
attatttttc	ttagcaccta	aaagcagctt	ctcacttaag	gcttgatatt	ggaaatatcc	3840
agtgttacaa	cagtggacag	cgtttgcat	ttgggcaa	gaggaaagag	ttttttgttt	3900
tttgtttttt	ttttttggag	acttgtccag	gccttgccca	gttactggcc	cggtgtcttg	3960
cctctctcat	gtctgagatc	gcagtggcac	catcttggct	cactgcaacc	tccgcctcct	4020
gggttcaagc	gattctctctg	cctcagcctc	ccgagttagt	gggattacaa	gtgcccgcga	4080
ccagcggcag	ctaattcttctg	tatttttagt	agagatgggg	tttcaccatt	gttgccaggc	4140
tgatcttgaa	ctcctgactt	caggtgactc	acctgccttg	gcctcccaaa	gtgagtgggat	4200
tataggcatg	agccaccgcg	cccagccagg	aaagagattt	tataaggcta	tttcttaaga	4260
caaaatctgg	tgaaaataga	ggaacatact	aacccaccct	tgagggaaggc	aggtgctaga	4320
gagccaagct	catatgatct	acacacataa	ctatcctcta	tcctaactcg	attccaggat	4380
aaagtgtaga	ccatctctga	gtgggtggag	agcctgtcgc	ttgggctact	tctgtttccc	4440
ttccctttgc	tgagtgtttg	accagggctg	tgtagctgtg	ggaggcttcc	acaaggctcg	4500
cagcttgggt	aggaccactg	ctgagggcag	gaccacaagc	tttattttaga	aagcagatag	4560
ataggtaac	gaattagtat	attctatatg	caaggaaatc	tagatagcat	ctttcccagg	4620
tgcacaacca	tctctgtgca	ttggaagggg	tgatatgcag	ttcctgcagt	cagcactggc	4680
actttcctgt	ggaagcagct	ttgggtaact	gcattccttc	gcagtagt	ggcctgaggc	4740
ccttgagctc	tgagcacaaa	tgggttgata	aggtgatgtt	ctaacgcagt	catcctcttt	4800
ggccatgaaa	atcctcaaaa	attctccagc	tttgattagg	atgagcagat	tggtgcact	4860
ctctctccag	ctggctgcat	gtgacacacg	cagacttgct	catcatgctt	tgtattcact	4920
gttgcatatt	gctcaggcac	gtgagaggca	agaacatggc	ccactaactg	ggcaggctct	4980
gatcgggaag	ctgctgaggt	aaagtgctc	ctgttctgct	aaaggagacc	ctgggatcag	5040
ggacgagctc	ttccttgctg	ggctcaccca	gtaatacagg	tcgtgtggga	cagtgggtgag	5100
ccgaactctc	ctgccataga	cgctgctggt	agcaatggag	tcaccttcag	aagaggaggc	5160
ggcttgacct	gggggcataga	atgctaccac	caggcccttt	tctcctggga	ctgggtcctt	5220
cctacagagc	aaccctccct	gtgggtgac	cagagctcca	aagacagagc	ttttttcttc	5280
tcagaaagta	aaacctcagc	attgaagaat	ccttgtcctg	tcatttttaa	ccttaatgag	5340
aacagagcaa	gcctctggaa	caaggtgcag	cgcagtcagg	agaagtggct	ttaagtga	5400
acacagctgt	ggggtttaca	gacggcgctg	cagggaggca	tcatccaatg	ggagcggcca	5460
gcctcgctat	agactttcca	acactaatga	atcggaact	ccatgctgaa	tagggtttag	5520
tttgatgggt	ccctgtgcca	gcagaaggat	gtatttttct	tgaaagacca	aggtgccaga	5580
aatctccatg	attacgttac	tggagaaagg	ttcttttttg	tggtttgtga	agttgagcgt	5640
caggactgga	ggattctctt	gctctttctc	actcttattt	tttcaggctc	agaaccagag	5700
cttgggtggg	ggaggaaaa	cctgtgta	gagcaagttc	tttcttaaaa	agctctctcc	5760
aagtccaaaa	agactttagt	ggacttagga	gaaagaaatt	taatacatgt	ccatagaatc	5820
gtcattaacc	aagttaaagc	aaagtccaca	gcatctttgt	cttataaaag	aaagcaaaaa	5880
ggagatggaa	aaaaagaaat	tatacttagg	aaatccaaac	caaacagtga	acactaaaga	5940
agaaaaactc	aagatcatct	ctgaaaatgt	gattttcttc	taatcagatt	tttctattaa	6000
aaaccaaggc	tgcaggtaga	agtaactttt	ctgatctttt	aaattctgcc	ataaatggca	6060
tagctgaaat	gtttgaactg	tgctaggatt	taccactttc	agcttaagga	agagttggac	6120
acctgtgaag	acctagtgga	ctatgagggg	aagagtcaac	cgtggagagg	ctggaggctt	6180
cccagccggg	ccttgacctg	tgtttgaacc	ttggtcctaa	taactagcac	attgaagcaa	6240
attcacaggc	ctcctggaga	acctatgttg	gtttgaactg	gagcaatcct	ggccaaataa	6300
ctcacactgt	gctcttacca	gtgacctccc	tctattacacc	cctgtgaggg	gagctctgag	6360
ctagcatcct	aggttccctt	gctcattcat	ggagtagtct	gcagagaaag	ctgaatggct	6420
ctgtcctgct	ggggctgtaa	gtaccttcca	ggagacgggc	agagagagac	ttggttgtcc	6480
atgagaggtc	atcttgaggg	tattgcgaac	aaaacaggga	attcctaaac	ttttaaactc	6540
atttttttgc	ccttccaagg	tcaggccaag	acttttccaa	agcctcgaaa	cctctgatgt	6600
ggcgtcttcc	ctaactgatg	gagtttagtg	cctagtggcc	cttgcatgac	gttctccaag	6660
tatggctggt	tgacaaaagt	gcctgtgtgc	ctggcccgag	caaagatcta	cctgttcagt	6720
agcccagggc	gacccctggc	atgcttgctt	atggcacact	tcctgtcttg	tctcgtcacg	6780
cttctgggta	ttcttatgaa	tgtagctcgg	cccactgtct	tcaccaggct	gggatccaaa	6840
ataaggtcac	atatctttta	atagttacat	taaaagaactc	agtggacacc	cctccttctg	6900
cttacctagg	acattgtttc	tgcccttaag	ttctccctaa	agtgccatcc	ccaagcagca	6960
ataatctgag	cagcctgagg	aagctgtaca	tagtctcag	tcactcattc	ttgttacc	7020
cctgttgcca	tctgctggga	gggtcgcctt	g			

attttctgc	ctggggagac	tgccttttc	ttgttgggat	gaaagccttg	cctctaactg	7440
aacccttttg	aaggtctccg	ccctctgctg	gtggaagctg	acagagcaac	cttgttgttg	7500
cctcttgggg	ccttcacttc	cttccctctt	cactcaatac	caggaccgtt	gtgcagttgg	7560
aaactgtcca	cccagggaa	cctgttcctg	gggaaaggat	tgggtagtgg	tgagctctcc	7620
tgcttgacat	ggcagctgcc	tctggagaga	gaaagacctt	gtgaagtctg	agtggctgcc	7680
attcttgacg	gctgacttcc	caagctgagc	tgctctgtgg	gtggctccctg	caggtgggtga	7740
ttagggccag	agcgtgtctg	ctgcctgggt	ccttgcctg	cctgatagct	aggaagtatc	7800
tagtgagcat	tgttgagga	aggagcttgt	gcctcttgag	ggtgctgaca	agatggcaac	7860
acctgaacac	tgagagtgtc	tgagccacag	ctggtcatct	ggtggcaatt	actgagcagg	7920
aggcagacgt	gaggcagaat	ttatttactg	aagaaaaaga	aattattttg	aaggaatgac	7980
attggacacc	tgctgtgaca	gtgataagga	caccgattgc	ccaggagacc	tggtgaagcc	8040
acccttggat	tctctggggg	aaatacctct	ggcattccag	cgaaggggaa	aacaaaagat	8100
cagggccact	ttgacagagg	agggacaggc	aggaagggct	ccccgggaag	caggtggagc	8160
atgaggaagg	gcacagaggc	ctaagagagc	ctggctctgt	ctgaacccct	caggggaagtg	8220
gaccgcgtcg	gggagtgcat	ggagctctgc	ctgagctgga	gagtgaccct	tcctgtcct	8280
tgaaagactcc	ttctgtctgt	cctgagggcc	tccttggctg	gcacacccct	ccgagcacag	8340
gccacactct	ttccattgct	ctgttactgt	ccatatttgt	tcattgtgaac	aaccaacctt	8400
cagcgagcct	gggctgtgtt	gaattcactt	tcatatctcc	aaaagcagga	agccgtcaa	8460
ggtactaaag	aggggaagtgt	taccagggtt	atgcttcagg	aaaataacag	ctatgttcta	8520
gagagcggat	taggagaaca	tagccaaggg	agtaggaaga	tacatttgtgt	gtcagtgctc	8580
ttaggagaag	catgagcaca	aattacacaa	gggcagtaga	gggccgggag	gtggcaggga	8640
ccaggcctgc	ctccaccaag	gcactggctg	cccactttgt	cagctcttgg	agctctgtgc	8700
ctccatgatt	tggtccctct	ctcaggctgg	tggcaagctg	gttgacagc	ttctggcccg	8760
catgaccaga	agcactcaac	aagcatcccc	tcgtactcta	ttggcctcgg	ttgggtcaca	8820
catccattcc	tgaaccagtt	tctagggcca	ggaaatgcca	tgccttgatt	ggcttaggtt	8880
tcttacctca	gagctgtcac	gtccagccct	ggagctagag	gttgggtctg	cttcccccg	8940
gacccctag	aatggggagc	aggacagggg	aatgaatagc	tgagtgaag	taggccatcc	9000
ttagcaagga	ggaaatgcct	gctagctatg	catccgtgtt	tgctacagga	accagatgga	9060
cccatctatt	catcttttga	accttgtaca	tggtaaagcac	ctacacacca	gtagggacat	9120
acttttgtga	aacagcatac	catcatctctg	ggtgaatttc	agtcctcatg	aaggaatccc	9180
tacccttatc	cctaccaga	cccttggctc	tccatctctt	gactctttt	tggtatctgt	9240
ttttgaccag	ccatctccaa	ggtcagacac	acagcctgct	ctctgaccat	ggcctcagcc	9300
ccttcaactc	ccttatccag	tgactccac	actcctctcc	ttgacctctc	agacactaca	9360
cccagtgatt	agcaacatgg	accatacttc	agctgtgcca	cttacttggg	aatttggggc	9420
aaatacttaa	taaactctcc	tgtaacatag	aggtaggaac	cggctttgca	gggctcttgc	9480
gaggattaaa	taagatcagc	gtgagagatg	cttaggacag	aggacgtgct	taataaatat	9540
tagctccatt	ccagacatct	gtcacccagc	cgcttctctc	tgttttcttc	ccatcagcct	9600
ctttcccat	tatttctctc	gtgttcccc	gtaggtctcc	tggtccatct	gctgccgat	9660
tgatctceca	ctccccctac	cccttattct	tcctctacac	cttctggcca	gatattcagc	9720
ttggaccaac	ctaactttct	tcacactaat	gtctaagttg	ctagaaaaaa	attaacagtg	9780
ggacagatgc	ttgctacagt	aaacttcagat	cctgtggcct	ccgaatactc	cctggcaata	9840
ctccctggca	atccttatgc	tctgcccagg	tcaactgttt	ttcttattct	ccaaaggagc	9900
aatttcaaac	cttcatact	ttcctcaaac	tccttcccc	atcacactcc	ccattctttg	9960
cagataaatt	gtgtccta	tttcaggaaa	gaacctaaaa	aatcatacta	ggacattcta	10020
aatccccct	gccaatcca	cagatcttac	tggtatcgct	gccccctctc	cttccctctg	10080
cagccaagaa	aggggttcca	cttttgtgtt	ggatccaatc	ccttgtcttc	tcagagacct	10140
tgaactctga	gttctctctg	tctctcttaa	tgcttctac	tcaccatcc	atagtgcctt	10200
cttctgtca	gcattgaaac	aagtctctgt	catctttaaa	tatactcct	tcaaacacct	10260
tcagtacact	ctcacatcct	ctcatccttt	ccattccat	ttcatgaatc	ttgcctcttc	10320
cctagcactg	tctaatttgc	taaaagagtt	gtattcactc	atgattgcca	tttctggct	10380
ttctattcgt	ttttcaacct	gtcacccega	tctctgccc	cagcactccc	tgcaagagtc	10440
ttttctgata	gatccaaagg	attccttgtt	tgggaatgtt	ctctgttact	tgacctctta	10500
gaaggattta	acgctgtctg	ctatgccctc	cttgaggcat	gttctctctt	tggtctctta	10560
aatgtcagaa	ctcagaactc	catagccact	ccccagtttc	tgtgtccag	ctcttaaata	10620
caggtgtttc	tcaggattct	atocagggtc	ctcttatccc	ttcaggttac	aatcttgctt	10680
ataaacttca	gaactgtatg	ttcagcagcc	tactggccat	ctccactaga	tgctcccag	10740
gtatgttaga	atccgcaatc	tcagattgaa	ctcaaactct	tctcccaaac	ctgtttttct	10800
tccttgtcag	ggtgagtagc	aatagcatct				

gagggagccc	agtgggaagt	aattgaatta	tgggggtggg	ctttccctgt	gctgttctcg	11220
tggtagtgaa	taagcctcac	aggatctgat	ggttttgtaa	atgggagttt	ccctgcacaa	11280
gccctcttgc	ctctcgccac	gtaagacttg	cctttgtctc	tcctttgcct	tccaccatga	11340
ttgtgaggcc	tccccagcca	tgtggaactg	tgagtccatt	aaacctcttt	cctttataaa	11400
ttacccagtc	tcaggtatgt	at ttattagc	agtgtgagaa	cagactaata	cagtaggcat	11460
tcaataaatg	tgagtcctcc	at tttagtaaa	catgactgct	cttctgttcc	agtcctctct	11520
ctccccacc	ctatcaccac	ctctgctgac	ttgccttatt	gttgagttgg	tgtgaacata	11580
gtttctcgac	tttgagactc	cccctgcaat	tagatttccc	atagttctct	catgactaag	11640
gactaagtgc	tggtcaccac	agcattgtgt	ggggtctggg	aggcagatgc	cagagtgtac	11700
tggcacataa	ttagatgtgt	atgtacttcc	aagtcttgtc	tcttagctgt	ctccaacgcc	11760
actgcacctc	cgtaagccaa	atcctcatca	tctcattggg	ctactgcagc	agccccctct	11820
aaggcatttc	tctatgccct	ctctcacttc	agcccttctc	tacctgacca	tcagagctgg	11880
tctttctgcc	ctgaaacctg	ccatggcttc	tctcttctgg	tgaagtgaag	ttcacacact	11940
cctacgtgca	gcctgccttg	ccagctcatc	tcccttgcat	gcctgtgcca	gcccagtggc	12000
taagtccctct	ctgacccagt	gacaccttcc	atgataaggg	agcaagaagg	atgcttagat	12060
actgattgag	aagctgaata	ctatacttct	tgggtctagt	ggctagtagg	acaggcataa	12120
gacactcagc	taagaccagc	tgtcccagaa	actgggacca	aaagacacag	gaaccacagc	12180
agggcttaga	attctgtaag	aatcaccagt	cataaaaataa	ggagagaaaac	ctattagtct	12240
tctgtcaaaag	cagtgtagtc	ttatgaagaa	tttggaaaat	gcaaagaaaag	taatcacctg	12300
gaacctctca	gctagtgata	ggcactgttg	ctgtttaggt	atgttccttc	caagtctttt	12360
tttttttttt	tttttgagac	agactctcgc	tatgtcgccc	aggctggaat	gcagtggcaa	12420
aatctgggct	cactgcaacc	tccaccgcgc	aggttcaaac	gattctctgt	tctcagcctc	12480
ctgagtagct	gggactacag	gtgcgtgcca	ccacaccag	ctaatttttt	gtattttact	12540
agagatgggg	ttttaccatg	ttgcccaggc	tggctcctct	agctcaggca	atccaccgcg	12600
ctcggcctcc	caaagtgcta	ggattatagg	catgagccac	cacatctggc	ctcagtcctt	12660
cttctaggaa	gtctttgtcc	ttttttacat	agtcctcatg	gtacactgta	taatcaagtg	12720
tgcactctgc	tttatctcat	ctgtccaacc	tatttttctc	gggttagtaa	aaattctccc	12780
taagccatgt	aacaactacc	tgtctattcca	tgtgtgacta	tagcatagtt	tgtttaacct	12840
tttgccactg	ctggactttt	tagtctttcc	aataaataac	actgggggga	acagttttgc	12900
aaataaaaact	tttcttctca	catttctgat	gatttttcta	agctataaat	tcataactta	12960
aatcactgag	tcaaatcata	tgaaaatttc	taagcaatgc	agactcaaaa	tggacagaat	13020
gaatatagac	ctgacctcag	ctgcaaagag	agaggtaaaag	agaaaagggt	tgtaaactaat	13080
agatgctttt	aaaattatgt	tttacttcac	aaaggagagg	gctgggaaga	ttcaagtggg	13140
gctctgttag	gcaaacatgc	ctttgacttg	aagttctggc	ttcatgatgg	tcgagaaggg	13200
cttgtttctg	ctttttgtgt	ttcatctcgg	tcagtttagag	gacaaaccat	tctgtgtagt	13260
tcttttccca	ctaaggaaag	gaaaaatcgg	ccagtatcta	atgatgcaga	tcattagctg	13320
tgttctgcagc	cttgtagtta	aaaaaaaaat	tataataatg	tatcctccta	atgtgcagtt	13380
aattttagtt	aaaatctccc	tagtgcttta	aaaaccctgt	gaatttataa	acatagtagt	13440
tggcttgcat	ttggaatggt	aaagctgtca	taaccaactg	gctctagcag	ggcatgctgc	13500
acctccttga	gctctgttgg	aagttcagca	ctcacctgag	cactgcccct	tggaatccag	13560
aaagaaacca	agactttccc	agagttcctg	ttcctgatct	tccataactg	aagaaaagcta	13620
atgagtgtct	caaagttaac	atgtccaaaag	tcaaaccttt	gactccctat	cagtccccaa	13680
attcagtcct	tctctcagca	gtggatcagc	cacctgactg	gtgattcaga	ttcaaaaatct	13740
tgaaccgtcc	ttgagttctt	cctttctttc	cttaccactg	ccaacatcaa	atccaccagc	13800
atatacttgt	gattcgactt	ctaaaatgta	cctcaaatgt	tcattttctc	ctcactctatc	13860
ccagccccc	tggcgcctcc	cctgactgta	gtggctgcct	cctgcaggat	gttgcttctg	13920
ctctgtggtc	tgtgggtctgc	agtctgcact	gtagccagag	gggtcttgcc	aaaaatagaat	13980
tctgattacc	tcatctactc	cttctttttc	ttttcttcgc	tgttaaggta	aaggccaaaa	14040
attccagtg	ggccaagaag	gtcctcccca	gagtcacca	ccatgtccct	ggatctatca	14100
gcgccaact	tcaccagcca	tctctgcagt	cctgccccag	ggcttctgca	ctcactgtgc	14160
tctctcctca	ggagaacctc	ctccactccc	catccctcct	cctcctgatt	cagaggagcc	14220
ttcccttcta	cccattctat	ccaggctcag	ctcttctact	tctatggaac	atggggattt	14280
ttttcttgct	tcagagagcc	tatttttaatt	tgaagttcta	cacatatatg	cacattcatt	14340
ggtgtgatca	tttgattgct	gtcagtcctc	tctgctagac	ggtaagaccc	atgaaaagag	14400
tctgctgtca	ctgttctttc	cctctcagct	agctcatgtc	tagcacaaga	taggtgctta	14460
ataaacgtat	tggttgcatg	ctgaatgaac	aagtagagtc	ttgctgacag	tcatcattga	14520
tgatggggtc	cttgtaagg	gtgggctctt	cccagagtgg	gcaggcccag	gttctccaca	14580

ctctttgccc	ctaagtatag	aacttggagc	acttgcagag	gagcagttgt	ggtgtgttag	15000
aagtagatgc	tgaagcagac	cttctttcaa	ggctgcagat	gtcccccaga	ccctccccac	15060
tcttgggtctc	cagtcatgtg	cctgcttggt	tggttcactg	tgtgactttg	gctttgttgt	15120
agttctcagt	cactatctgc	ctatacttag	gtttatgggt	tttgttgtga	ttatctacct	15180
tgtaaatttt	atattaatgg	ttgggagatt	tccgggtact	tacagagatt	taaatgggtg	15240
cccttgttgg	aaaggtggca	ccttgcatac	tttcatagca	cctcctttcc	acatcataga	15300
ctgctccttt	tttttttttt	tttttttgag	acagggtcct	gctctgtcac	ctgggctaga	15360
gtgcagtgat	agaatcgtgg	ctcactgcag	cccaaactc	ccgggctcaa	gtgaatctcc	15420
cacctgtttc	ccgagtacct	ggtaactacag	gtgcacacca	ccatgccag	ctaatttctc	15480
aaatttttag	tacagacagg	gtctccctat	gttgccctgg	ttggcttgga	actcctgagc	15540
tcaagcgatt	ctcccactct	agcctcccaa	agtgtctggga	ttacaggtat	gagccaccac	15600
accagaccac	agactgcctc	cttgactgtg	tattttcgtt	tgtgagacag	tgaagtggt	15660
ggtgaatgag	gcacaggaac	tgtgccccga	tgatgacaat	gatggtaatg	acagcggcta	15720
ccattgagca	cctcctatgt	gttaggcaca	gtactgggga	ctttacattt	gttatctcat	15780
ttaatcttca	taacaacccc	ggtgtgttat	tttattattg	tcatatttgc	agaagctaag	15840
gtctagggaa	ctaaagtaat	tcactcaggg	tgactcacca	cggctgtgag	aagcagagtc	15900
aacattatac	tgtttactct	ggggagagaa	tagaaggaaa	acaagtgacc	cgtattttta	15960
cttagaaacc	ccagtcfaatg	acaagagcag	tccatcctg	gacttaagga	gaatgtactc	16020
tggctcatt	gtctaaatat	ccaggctggt	taattttatt	cagtgggaagg	aaacaaatag	16080
gcacatgcc	gtagaactgt	ctactgtcta	tgacctcca	gaagagaac	ctgggccttc	16140
ctcaagacct	ctgggtgctgt	ttagggtaga	agagaggcta	ccgggtgcc	tcgttaccac	16200
atctccactg	ggattacctt	caagacatga	tgactgtttg	taatttatct	ttaggagaat	16260
gccatagtaa	ctgggtgtga	cccctaatta	atcataggaa	ggattgacca	gacatccttt	16320
aacaattctt	gctggactct	ctgctctttg	ggaaaagggt	gaagagtatt	tattcaatgg	16380
gagaaggaca	ccagctctct	gtcctttaag	tttatgtctt	agctgttcac	atatctggtg	16440
gcaacaactt	atggtgtctt	tgactgtgag	aagagaaaa	agcctagctc	tttttttttt	16500
tttttttttt	tttaatagaa	acagtgtctc	atgatgttc	ctaggctggt	ctgaaactcc	16560
tgagctcaag	ctactctctt	gcctcagcct	tccaaagtgc	tgagattaca	ggtgtgagtc	16620
atcatgccca	gcctagctct	gtgtcttggt	tgatccatag	ctcctagcat	attatcagac	16680
caagcaatgt	aagaagataa	cttaggggtt	ataaatatga	ataagttttg	gcccccaaag	16740
acctctaaaa	gaaaataactt	gtgtaggaaa	tcagatagga	gccatgatct	agaaaagtat	16800
ggtgatcagc	atgttctcac	tcatagggtg	gaactgaaca	atgagaacac	ttggacacag	16860
gaagggggaac	atcatacacc	ggggcctgta	gtggagtggg	gggagtgggg	agggatagca	16920
ttagggagata	tacctaaagt	aaatgatgag	ttaatgggtg	cagcacatca	acatggcaca	16980
tgtatacata	tgtaaacaa	ctgcatagtt	tgcatatgta	ccttagaact	taagtataa	17040
taattaaana	aaaaaggaaa	agaaaaaagt	atggtgatca	aatgtcttgg	tgaactgtctt	17100
ctctggttct	ctcttgcttg	tattagagtc	agctcttagg	ttcattctca	atcttttagac	17160
aactttccta	acctctctga	gcctctagtt	tcatttattt	tcttctctct	cttttttttt	17220
tttttctatt	ttttgagata	gtcttgcttt	tgtcaccag	cctggagtgc	aattgcatga	17280
tctcagctca	ctgcaccctc	cgctcctgg	gttcaagtga	ttctcctgcc	tcagcctccc	17340
gaatagctgg	gattacaggt	gcctgccacc	acacctagct	aaattttgta	tttttagtag	17400
agatgggggt	tcaccatatt	ggcgaggctg	gtcttgaatt	cctgatctag	gtgatccacc	17460
tgctttggcc	ccccaaagt	ctgggattat	agtcgtgagc	caccacgcc	ggcctgagcc	17520
tctagtttct	tcactatag	gatgaagtga	gattaatagt	aggattaact	attaattgtt	17580
aatataattat	tcatatagag	attaataata	cctctctggc	agggttgcat	gggctctct	17640
ggccggggata	tcatgttgaa	gtgtgtcatc	accagtctca	catatagaat	gcccatagga	17700
agtgtttgtt	gcctcttctt	cccaaagaga	aaaactggct	catgacttcc	atcttcccag	17760
aaagtcttct	gccaacagt	tactcatgag	ggaagaggct	ggtgtgcctg	ccgttcacag	17820
cctttgggtg	tgtacgacgc	tctgtcaaag	gcagactcct	cactcatgag	ttatgaagca	17880
cggagggaccc	caaaatcctg	actatgattt	attgtctccc	ccagaccctt	ccctgtttgt	17940
gttctctgtt	ttccatttag	ggtcattttc	cctacaatgc	ctgaatccaa	atattggcat	18000
aatagtgtta	tttaggaat	gaagatactc	agcccagacc	cttaaggggc	ccatgtgtgc	18060
tcaggctaag	taacatgaag	acaataccag	cagagagagg	aaattctaca	gatgaaaag	18120
ctagcttgag	tattagtttg	gtacaactga	ttattgaaac	tactgccttt	cttttttggga	18180
tattccctgc	agtacaattt	gtaatcactt	tagcattcat	ctctgtttgc	caaatccaat	18240
ccatcagcag	aaaaagttgt	tctgaataag	tgtgaggct	gttggtggt	tctcccaaat	18300
agtctttcct	ttcaaatgga	atggcccggga	aaatgggcac	tccattttta	tattttctg	18360
attcttttat						

gtgtcagcct	cccaaaagct	gctccagttc	gcattctggag	gtgtgaggcc	tcacaccccc	18780
tggcagatgc	caccgtgggt	ctacgggtgg	tgactggttt	tttttttttc	tctgttgag	18840
aaaactttac	ctgtctttaa	cactaaatcc	agttaatcaa	ggagtgatcg	agagtcattt	18900
ttgtcaaatt	gaagtttgga	gatctctgga	tataggggcaa	ggaacaagac	cttcaggagt	18960
gaataaagtga	tttgtgagaa	ttcagttaca	catttatgaa	gccccgtgct	tgtacagtgt	19020
gttacatggg	ggaggcaaag	atacgttaga	cccagtgcat	gcccccaggg	tttgtataag	19080
gagcaaatcg	cactccagca	cctgtgtgga	tgatatgcac	ttgtgcagtg	gtaggaatcg	19140
agtgtctatg	cagcaacgat	gaggaaagtg	atagcttccg	actttggagt	tactgtgtgg	19200
ttgtggtgga	ccttcacaga	caaggagctt	tgtcagaagg	ctcctttctc	tccatcccc	19260
cggctaccct	ccttctcact	gccaggactg	tggagctgct	ttgcaagcta	ttcttcctgc	19320
cgttagctgg	ttggcctccc	ggctgtcctc	tctgcagcct	gagtgagtgt	gtgtgtcttt	19380
tccttctggt	tgctttttag	accttatttt	tgtctttggc	attctgcagt	tttactacat	19440
tatgtctgag	tggattcatt	tttattttata	ttgtttagga	ctcaatatag	ttctcattta	19500
gaaattttta	tctattatct	ttgattctct	ttggttctct	ctaattctct	cttctggaac	19560
ttgttagaaa	ccatcttatt	tcacttttcc	tctctttttt	ctatttctgt	atctgttaat	19620
gctgcattgt	aggcaacttc	ctcaaaagtg	ctctgcactt	tattctcctt	gtagcagttt	19680
actatcggct	gcttaataac	ccttcccaat	atgaatattt	ggtttttatt	ttattttatt	19740
tattttttga	gatggagctc	cgctctgtca	cccaggctgg	agtgagtggt	cgcaaaactca	19800
gctcactgca	acctgcacca	cctgggttca	agtgattctc	ttgcctcagc	ctcctgagta	19860
gctgggatta	caggcgcgca	ccaccacgca	gggctaattt	ttttgtattt	ttagtagaga	19920
tgggatttcg	ccatgttggc	caggctgggt	tcaaactcct	aacctcaggt	gatctgccc	19980
actcagcctc	ccaaagtgtc	ggggttacag	gcgtgagcca	ccacgcctgt	cctcatgttt	20040
ggtttttata	tttaattttc	agaagttctg	tttgggtgct	ttgaaaatcc	gcctattact	20100
attaattaat	ttttttgggt	tcctagtctt	ctgttatgat	ttctattctt	tcctttatct	20160
ccctaattat	tttggttgta	ttatttttac	agcctctttc	cagttatttg	aagagtttta	20220
gttctagttc	caagagtacc	aatctcttta	tttcttgggt	ctattgactc	actcttacgt	20280
ggttcatttt	ctcttgcaac	ttgttttttt	atcataagat	catcttaggc	tgtgcgcagt	20340
ggctcacgcc	tgtaatcccc	gcactttggg	aggccgaggt	agaaggatca	cctgaagtca	20400
ggagttcgag	accagcctgg	ccaacatggt	gaaacccctg	atctactaaa	aatacacaaa	20460
ttagttgggc	gtgatggcac	acacctgtaa	gaccagctac	ccgggagggt	gaggcaggag	20520
agtcaactga	gcccaggagg	cagaggatgc	aatgagctga	gatcgtgcca	ttgactcca	20580
gcctgggtga	cagaacaaga	ccccatctca	gaaaaaaaaa	aaaaagatca	tccttaagtag	20640
ggatttgtgt	tagtgggagt	tcacataact	gtgggttgtg	gatgtgttat	cttatcactt	20700
ttgcataatg	tctgccaaga	cccaggaggg	ttcataggtc	ctgctagttt	ggatgttaac	20760
tccttggcct	aggagctcca	cctcctgggt	aggccacatt	ctgactcctc	acctagtgc	20820
cgttggggct	tcacatctcc	atttctcata	ggagatgcct	ctggtctgtg	ccacatacgg	20880
ccattcctct	gctctgtgag	aaaggctctc	ctgattcttt	gttcaaagac	caacagctcc	20940
caggatcctg	gctttatgtg	gggatctcag	ttccagttcc	atgaccaggt	cttcagttcc	21000
atggccaggt	cttctgcctc	ctgcattgat	taaaatctta	gctcctgtaa	ctgtatcaac	21060
gtctgatact	cccggccccc	agttgccacg	gtaaaaatta	cagctctgac	ttaatttttt	21120
ttcactttca	agcatctgag	aattttctca	ttattcttct	atactcaata	atatatttta	21180
attattattt	tggtatatatt	tatctattag	ttctctgtgt	ttgtgttggg	aaggaggtcc	21240
acatcagttc	agtcatactat	cttgtcagaa	tccgagatct	gaataaactt	aaatatggtc	21300
actcatttag	caaatgtata	gagaatatct	gctatatacc	gtatagttc	taggcctggg	21360
ggccacagag	ctgaataaac	gctgatgctg	ccaacagagg	cccatgtgcc	agtgaagggt	21420
actgggcact	cctcagcagc	aaggcagcca	gcctgtgat	cccaccccac	ctgcctgcca	21480
tacagaccca	tcctgtcttc	ctgcctgggc	accctacatg	ctgtctgtac	cagattacct	21540
cacgctcctg	cgtacaacgt	gtccctgttg	tcattgccatt	ttctgtctct	agaacatccc	21600
tccttcccag	aaccccgctc	ccacccatct	aggtaacctc	tgcttctcct	tccactctca	21660
gctagggtatt	tcctcctctg	gaagccattc	cacacccctc	acaggcacca	ccaaagctgg	21720
gtcagatgtc	ccttccccgt	ggccctgtgc	cgtgctgtgc	tgctccattg	cagctcttag	21780
cactgtgcct	ttcagttgtg	ggtttgcttg	ttggctccg	ccactggcct	gatgtctttg	21840
aggtcaagggt	cttgtttttt	tcatttcagt	accacagctg	ccaatccac	tatctggcaa	21900
ataatgcttg	atgaaggga	gggtggggac	ctgatttagt	cctttaggaa	gggaggaggc	21960
atggctactg	aggagtcaag	cttctttcca	gctttgtctt	ttcatttgcc	gtaggattat	22020
catgatgatt	aaattacaca	tgacatcagg	gaaactgtct	tcattggatag	ctgtgaattc	22080
tgaagagcta	acatggagaa	aagaagctgt	aaaaatgtgg	cttaactcta		

tgaagaggtc	tgaagaggct	cacctgccaa	ggccacagag	gtcaagggca	gaacctggcc	22560
agttgtggca	aattctaaag	cctgtgtctg	gccttcatga	cacctgcctt	tctctccatg	22620
ccaggaagct	gcagggagtg	ctgattccag	ccgtttctaa	gcaggcctgc	ttgggaaggc	22680
tgtctgggaa	atcctgggat	ttccagtcct	tgtgaacccc	aggtcagatg	ggcagcttct	22740
gacttgtcat	cagagttctg	ggttagggca	gtcacgctgc	ttggcagggtc	accatccatt	22800
cagtggtagt	tgatgtggct	gtgttagtta	taaagacctc	gtagtttttg	gggtgcagtt	22860
gccctgaata	ctctgcctga	tggcccttga	agttagacctc	ggcagaccca	ggccctagtt	22920
ttggggtgcc	tgtctctctg	ccctgctggc	agttgtgcct	cacttggtcc	agcagatgag	22980
gccagcagtt	gctggcagat	ccgttgtctc	tgcggacctc	tcagagcctc	cttgacactc	23040
acagccagg	cctctgcctt	actgcagttc	ttactcttag	aacagggttag	tttgctaaac	23100
ttaacaagag	aaaatcttcc	atcttttctc	gcctagctac	tggactcatt	ttgggacctt	23160
gaaacacaca	tcattaaact	tactagctgg	cctctagatg	tgtgagagag	agctacgctg	23220
tgggattgat	ttccttcggc	tgaagtgtct	gccgcattca	tgagcctgcc	ttgaaggaca	23280
gtactccttg	cagccttcca	gaggataggg	cagttctggg	ctgtacatcc	tctccccagc	23340
ccacaggcac	ctgctagctc	aggctactgt	aaggacacct	gggttctctt	ccccagcacc	23400
tgagcatata	gttctttctg	cttcccaaca	tgccccctgc	ccgtgggggg	ttagcctgct	23460
tggcaccccc	cggggtctca	gaacacactc	ctagacaca	atagacctag	agaaccaacc	23520
ctaaaaccac	ctgcggttct	tctgttgttt	tgtgtttatc	atggaggatg	tgatgggttc	23580
gttcagggtgc	tctgacaagt	ggacccccaa	caggattaat	gtacgagagg	tgttggggga	23640
aggcctgtga	aggatgaggg	gagggaacag	gggcaggccc	ggggcttctt	tcaccttaca	23700
gcaaccagcc	cttgtagaca	gtatgcatcc	cagggttttc	ccgtgctggc	attatcacag	23760
tgactcagga	gcttcttccc	aggctactgc	tggtagtctt	ttgagcagct	gagccacaac	23820
tttgtaccag	ggcctgtccc	tgcccacaca	ccactcagaa	gagcatcccc	tttgcccaact	23880
aggtagtgag	tgagccactc	cccagactct	atctttctgc	ctgtttcctc	agaaccactc	23940
ctgtcccact	tgcgtcagtt	cagatctgca	gagaagcaga	tgtctagatg	ggatgggatg	24000
ttgagaataa	tatgaggaa	gatgcctgtg	aaggatgaaa	ggggagagag	tagcgggaag	24060
cagagagagc	cttcagacct	caacacaagt	ctggccctta	tgaaggaaat	tggaaaggaa	24120
ggagggtctg	gtaggggagag	tctcaggcta	cggcccaggt	ttttttgttt	agttttgttt	24180
ttttgagata	ggatctcatg	ttgcccgaag	tggcttcaat	ctcctgggct	taggtagatc	24240
ctcccacctc	agcaccacca	ccagctagga	ttacaggccc	gcacaatggc	tcccacctgc	24300
ggccagtttt	taaggttcac	tgacggaaag	tcctcaagcc	aaagccaaag	ccaaagccaa	24360
agctgactgc	tggaggatcc	tcacatcttg	caggacctgg	cctgcattag	gaccttgag	24420
gcgtgtcac	aggaagtgtg	acttcagggc	agatgcagtg	gtggatcaga	gcacttgca	24480
ttggggacat	tgtcagtagt	agaagactcg	agtgatgcct	cttcttggtt	gctgcacttg	24540
aggaggggac	agagcagggt	gttctctggat	gaagctctgt	tttaattagct	tcccacctgc	24600
ttggttcttt	gcctttgcct	tcactctgaa	taagcagagg	aaatatcttc	cgcagctctt	24660
gacaacttca	aaccagcacc	aacacttccc	agtactttgg	aaatgacact	ttctgtctgc	24720
accttggaa	tgatgccagc	tcttcaggct	aagcagcagt	gttacctaag	agccattcat	24780
tgcagagggc	gagagcctcc	aggcctccca	gacactgcca	ggttagcttg	aagaaggcct	24840
ttcttggtcc	tgatgaagcc	ttagttagg	agaaaagggg	gcttgaaatc	aagagagagg	24900
aggggcttgg	gggaagtgtg	aagcgatgca	gccagagagg	tgccaggcgt	gagctcatgg	24960
gtgcaagcct	gcagctgtat	tgtgcacgtg	ggagtacgcc	actcacagtg	caggtgtgag	25020
ctcactgttc	caccacagcc	gttagtgttt	ggcatcagca	tgatgcaggc	acaactcctg	25080
cttccactgc	tggattcggg	tagtgttccag	cgaaggagtg	gtctctccac	cgtccacca	25140
cacagaggg	tggcctgggc	tctctatgct	ctgctctctt	ctcacctcac	tcctgtcagc	25200
agcaatcagg	atattttgtc	tgccaaaca	cagtgcctca	tttaacctca	gttttatcta	25260
caggaagagg	agaagagggt	atgaacactc	ccatttttag	gagagagaaa	cagatgcctt	25320
gatagggtgc	ctgtgcaagg	tcaagctgta	cataagagga	ccatccagca	ggcttctccc	25380
tggatactac	cccagctatc	tgatgcaagc	aggtgtgggg	ccctagaaca	actacacaga	25440
agtggcactg	agttgcccat	gggtccagga	gcagggaggg	cagcaaggcc	tggggcagca	25500
cagctgcctc	ctgtattgct	tccatctctt	ctggagtca	agtcacccag	tctcctccac	25560
atggaaatct	actgtcaaa	ggccaggaca	aggaggagct	ctttttcagc	tgtgttgagt	25620
cagtgccctat	tcccactctg	ctgggagaac	cagggaggga	cagagctctga	agtcataatt	25680
tatagcactc	agttgcctcg	gcagaggttt	cccatgctgc	tgagctatgg	tgctcaggac	25740
cctttgtaga	aatcactaga	ccttcagctc	tttctggctt	tctgaggcca	gaactgacct	25800
aaacaaggaa	atgggggagc	cgcaaaaatc	ggcagattgt	gctggccaca	gaccagtcac	25860
atacatcagt	gtacacacac	aggaacactg	gtccatgtct	cagcatatag	tgtgacttat	

actctctccca	aaaggatacc	accattgttta	tcttctaaca	ctgtagattg	gttgtgcctg	26340
gctttgaact	tcatataaat	ggaattatatt	actatattct	cttttggtgcc	cagcttttct	26400
ctttcagcat	tatatttgtg	agaattcatc	tttgctgttg	catctatagt	ccattcatca	26460
atttatccaa	tctgcatttg	ttcagtcac	atttgtattg	tttccatttt	ggggttatta	26520
taaaatctgct	tgtacatgtc	ttttgggtgca	catatgcatg	tgttgctttt	gagtatataa	26580
taggaatgaa	attgctgaaa	tcatatgtaa	tttcacaagc	agtgtgtgag	agctcatctg	26640
tttatgtggc	attcagtaga	gtgccttttc	aaatttcttg	cctgtttttc	tactggggtt	26700
tctgtttttc	ttcttgattt	atagtctctc	atattctgga	tctcagttct	ttgtgtctta	26760
tacatgtttg	aaatatcttc	cactgtgtag	tttgcttttt	tactgcctct	ggtgtttatt	26820
taacgtacag	aagtacttaa	ttttaatgga	gttcagtatg	tcatcttttt	ttattatggg	26880
taaaatgcttt	ttgtatacca	tttaagaaat	ctttgtctat	attctaaaag	aatctactta	26940
gaattgattt	ttgaaaatgg	tacagcaagt	ttattttttc	atatgggtat	ctggtgacct	27000
agcatcattt	tttgaaaata	ctttcccata	gcttagcact	gccaccttg	tcaaaaatga	27060
agtacccata	tgcacagatc	tgttttctgct	ctccattctg	tgtcactggg	ttatatatct	27120
attcttgtac	cagtaccaca	ctaccttcac	gtttgtataa	aaatcttgat	agccagtaga	27180
gctacacttt	ccaacttgga	ctttttctat	aaagagcacc	tatgctattc	ttggcccat	27240
ccatttccat	atagattttt	gaatcagatt	gtcagttgcc	acatacatgc	acacaactt	27300
gctaggattt	atattgagat	tgctttgaat	ccatatgtca	atttgggaaa	aatcaacact	27360
tttatgataa	tgagtcttca	caaacatggg	acctccctct	atttagagct	tctttaattt	27420
ttctcaatat	aattttctgt	tagagatctt	gctcatgttt	cattggattt	actcctaggt	27480
atttgatttg	tggtactatt	ttaaatggta	tttgtaaatt	taattttctc	ttgttgcta	27540
atacaaggaa	acatggttta	tttttgttga	ccttgttatc	aattactttc	ctgaatttat	27600
ttattagggt	caaataattt	gtagattttt	tttcataaca	atatttcagt	tcagtgtaga	27660
tgctttttta	tttccagtg	acctcatcat	gtcatctgca	aataatgaca	gttttacttt	27720
ttcctttcca	attctcatgc	catgtattta	tctttcttgc	cttatgtcac	tgtacagtat	27780
ttctggacat	aataataata	ggcattttatg	ctctgttctc	gatctcaaac	agaagagttt	27840
ttaccacaaa	ctcactctta	gattatgaaa	atgaaaattt	tactgtggtg	tctcttagt	27900
atacacttta	tttttcccca	agatgagttt	tcaatttggg	aacttttttt	taagttttaa	27960
gtggtgattt	atgagctagg	agctaggaaa	atgatatctg	attttttatt	taaatgaaa	28020
ggaactaatg	tttatcacia	gactgctact	cctcatttta	accttgtgag	gaggttttgc	28080
cttggccatt	ttacagaagg	atctcatggc	tgtacatttg	aacaaggatt	caacagatc	28140
tgtctgactt	caaaacccat	gctctcttta	ctgctccctg	attccttggt	agaatattga	28200
acgtgaaccc	acgaggtcgt	aaaaatacca	cttttgtcat	agatgaccga	gagaaaagtt	28260
gctaaacctat	tattgectca	caggtataatg	cagcatcttt	tcttttcccc	agtaaccttc	28320
taccccaat	cttttcttat	ccctgtgttt	tagtccattt	tcatgtcatc	gataaagaca	28380
tacctgagac	tgggcagttt	acaaaagaaa	gaggtttgtt	ggacttacag	ttccacctgg	28440
ctggggagtc	ctcacaatca	tggcagaagg	caaggaggag	caagtcacat	cttacaagga	28500
tggcagcagg	ccaagagagg	gcatgtgcag	agaaactccc	attttttaaa	ccatcagatc	28560
ttgtgagacc	cattcactat	catgagaaca	gcatgagaaa	gacctgcccc	cgtgattcag	28620
ttatctccca	ccacgtccct	cccacaacac	ataggaatta	tgggagctac	aagatgagat	28680
ttgggtgggg	acacagagcc	aaacatatg	acactatcac	ctgccccatc	ccacctttcc	28740
ctgatttcca	ttgccatgga	aaggagccct	ctgggcctgc	ctgtggccct	aaagggctgc	28800
agccctcctc	agcacgggcc	cagcaccac	tgggccaggt	atagggcatt	ctccagctgc	28860
tgctgtcatt	ctgtcgctgt	ttgtctgggt	ctgggaggt	ggattgaagg	ttctctcct	28920
ggcgggctg	ctcaggttgc	aaggtagatc	ctgatttttt	aagccctgta	gagttctcag	28980
tgtcccattt	tgagggttat	gcatoctaca	tgggttcaca	gaatcccttt	cgctgagact	29040
tggaggaatg	aagaggacag	agagggtcga	gacccaaacc	gagcaggccc	cggaggcctc	29100
agggccctgg	ggctgaaggg	agctccctag	cccgagaatg	ccctcacta	ttctcacact	29160
ccaccttttg	cagcccaa	acccatggat	gcccgaagag	attccctat	gagacagaaa	29220
attctagaac	accaggaact	ctcaaaacta	gatatttcaa	aactcttaaa	gaccttaaag	29280
agtaaagt	ttcattgtcg	atttaacata	gagttacatt	aagcagctaa	cactttccct	29340
ttcttgaata	agatttctgt	tctgtcacgt	tgccatttgc	tttcttctat	tttttgcgat	29400
ggactgcagc	tccctccatt	ctggggagcc	tccctggcgt	gcagcaatcc	agcatgactc	29460
ggagctcttt	gattttcttt	cccagttact	ttatagcaca	tgaagatgtg	ttcttaccag	29520
tgacagaggg	tcgggtgaaa	tgaccatttt	tgttttccgt	atatctgtac	ctgccacatc	29580
catacctttc	tcagaaggtc	ctggaatgac	tcgtttctct	ctctgcctct	ctgggtattt	29640
ctccaaccac	aggtttgcat	ccccaggggg	aagccagctc	tctggctcct	catgctaagc	29700
tttttaagca						

ttgagcctga	agaaaggtgc	ccatgggtgt	catcttctgt	ggctgcctgg	caggtaacca	30120
gatgtgcttg	gctctcttag	cttttggctg	tgctatctgt	ggggtagtgt	ttctgatctg	30180
tcttactgc	cactcccagc	tctctgaggc	tttgtggctt	tttcttgggtg	gttgggcagg	30240
aagcctctag	agcctgaagg	aattgctgtg	cttgatgaca	ggcacaggct	atcaatggct	30300
ataaatcgcc	tagtggctgc	ttcacgtatt	gaagaagaac	atgtttgctg	tctgttctgc	30360
ggatgcttct	ctgatggccg	gaacacagct	gcgaaaagat	ttcgtagagt	gactcagagc	30420
aagcgcccag	ctcatgcccc	ctgaattaa	caagaggaag	tggccaactt	ccgcagctgc	30480
tctgaaagcc	caacacagca	aggcctggct	gagatgaaca	acatagatca	ttccactgac	30540
tttgggctac	ccccaaagca	accccatgtg	acccacacc	taccccaaag	ctaggtgaga	30600
cccagggtcc	accctccaag	cccgggttac	cagtaggggg	taggtgccaa	actggagagt	30660
agactgtgat	gaatgggtag	cagagatggc	agaggacatg	gctcatcacc	tggggctggg	30720
gaccccgctc	tcagcagctc	ccttccttga	gtgccctggc	attggtgtgt	ctgtgtgttc	30780
gcgagccctg	gcatgccact	gcggcttcac	agtagcctcc	tgggcagcgg	ctcatcagct	30840
tccagcacag	cctttgttgt	tctataaatc	tgtaaattgt	tgtgtacct	agaataagaa	30900
ggaaggagtc	attctacaga	gaggatttat	tcttcacagg	gccaaaacct	tgttccttac	30960
gattatgtcc	tgttctttaa	tggggtcccc	tgtactccac	agtgtcattc	gcctccacac	31020
tagatgtcca	cacaatgctg	tgtattttca	ctgattttgc	tggggccctg	ccctgtcttt	31080
gtctctgctt	ttacagtcag	ggccagttgt	cacttctccg	tggctgtccg	gagaacctgt	31140
agcaccctct	ccagccactc	caagcatgag	gctttgtggg	gagcgtggaa	tctgtgagga	31200
agccgaggca	agctgttagg	attctgttca	atgggaggaa	aggctctgag	tgagggtggg	31260
aggaaggact	tcccaggagg	cacacttggg	ttcccggccc	cacctctgcg	ctggctgccc	31320
acaggccctg	cttctgccta	tttcttggtt	ctgcttcatg	tttcaaagac	ataagatcaa	31380
atgtgattaa	gtttttaggt	agcaagatat	tgtgcttatt	attgaattgt	tcttcttttag	31440
tttaacagcc	ctccagttta	atctaaatct	gtttcctgtc	attaagtctt	tgggtgtagt	31500
aaaagatcag	ttagctggtc	gctatctttt	gtgtcataaa	tcttctagga	aaccattggt	31560
gtgatttttc	attgtaccgt	tctgaagag	gaaggaaact	ttcattcctt	tgggcttttt	31620
tcttggtgaa	tttcccagct	gttagtgtca	tctagcttaa	ctctcacatc	cttaaggcag	31680
cattagcctc	agaaccacca	gtacctcgct	gtgtgccctg	ggaggcaggt	tattaccctt	31740
ggcttcatga	cccatggaca	gtccttgcaa	tgggaaggaa	acacatttgt	gggtagagtg	31800
tggagaatgt	gtgtgaaagg	ctttcctcgc	ccaggcagta	agtgtctcgg	aaacaagcca	31860
cttttttatg	taataagatt	tggacagggg	ttgggaggta	ggggagttag	tgtgtgttga	31920
tctgattccc	tgtgcccagg	agcaaggaca	gtcacttcat	cccagccctt	gcacagtgtt	31980
gggaacacag	aggtgttccg	cagatgtctg	acaaatgtct	cctgggagta	tgcagtattt	32040
gctctttttt	cctctcatgt	tctgtgttcc	taacattctt	ctattttggc	ggggtgggga	32100
ggtagaagg	aggcagagtc	tactctgttt	gccaggctg	gagtacagt	gccgatctc	32160
tgctcactgt	aacctctgct	tgcgggttcc	aagcgattca	tgtgctcag	cctcccgggt	32220
agctgggatt	acaggtgccc	tccaccacgc	ctggctaatt	tttgtatttt	tagtagagat	32280
ggggtttcac	tatgttgccc	agcctggtct	cgaattcctg	gcctcaagg	atctgtcac	32340
ctcagcctcc	caaagtgtg	ggattacagg	tgtgagccac	cactcctagc	ctcttctatt	32400
ttttaattac	acctctaatt	gtctctgaat	tgtcactgaa	tttaattgtct	ccttaattca	32460
gtgcagaagg	ttttcataat	aacactaata	tttatggaat	agttaacaat	aggtcagagc	32520
ttataatggt	aaataagata	acaaagttta	tctcatttaa	tctcactag	aataaccctg	32580
cgaggtaggt	agaagaagtt	agagaggtta	agtagtctgc	ctaaggttac	ccaggttgtg	32640
tgtggttgac	agtgccttac	ctttccccc	tgacttttag	aatacaagaa	tactggcaag	32700
ttgctgctgc	cctctgggct	ctgttataaa	gtgaagctgc	cgatccacaa	tggagaaccc	32760
actcctgcaa	ggccaggcct	ccacagaggc	cagaggccag	aggccagtag	tggctggggg	32820
gccaggaag	ctgggtcaa	acaagggtaa	cttgcaagaa	tcttcaggaa	gcccttatat	32880
tcagaattgt	gttctgtgcc	acatgggccc	tttcccacca	tcaaacttag	aaaacgaccc	32940
ctaggaaagt	cctcagagtt	catggaagg	cgctgagaag	tctgcccaca	ccctcgtggg	33000
ttggaggacc	agtttcgcca	agtgttctct	ggcccagttg	taaacatcat	tcgtttgctt	33060
gtccagcaaa	cattattgga	cgctatttag	tgccaggtag	tgcactgagc	acaagagaag	33120
ggcccagttc	cttccttga	agcccacagc	ccatcgagga	agacaggtag	gtaagacagc	33180
at ttgcaagg	gggtgacaaa	ggccaggggg	gaggtgaaca	aaggatgcag	ggagtggctc	33240
tcagtgttgt	gagcaccctg	catgggaagg	ccagcgcggc	aggggtgctg	gtgctgttgc	33300
cctctgcttc	tcccggctgg	agtgtcagtg	tgggacctg	taggccccaa	cccaccctag	33360
gggaggcaag	tgagaagggtg	acaggacaga	gtcatgggac	aagaaccaga	gggaagaggc	33420
ctggccaagc	cctggagaac	tgagcagagc	agagagccgc	ctcaccaagc	ctctgtgttc	33480
catcttgtca	tgttgtttgg	aatgaggagg	aatccctaaa	gatcatggat	agaaggagaa	33540
tggctcttct	tcccaccacc	tcccaccgt	ctctcctga	aacccagga	gcattccaga	33600
tacaacacag	ggcgggggtc	ttcccttcat	gttcccttag	tgcagtggcc	atggccactc	33660
ctttctcaga	actcctactg	ccagtcttag	cactgctggc	ctccataccc	agcaggagg	33720
tgtggtctgc	tcccacatgg	ctggctgggc	cattcctggg	cagatgggat	cgagtaagga	33780
gcaccagtg	tcttgtgtgg	ttggcacaca	agacactgtg	gtggttgaga	gaagcagagg	33840

gcaacagcac	ccagcaccct	accacactgg	ccttcccatg	tggggtgcac	acgacactgt	33900
gtggttgcca	cacagtgga	acaccctgga	ctgcattgta	cgtataagca	tgctctgggtg	33960
aaactagcac	ccagttcttt	gttttgttgc	aaatgaccat	ttgacagtac	ttccacaaca	34020
gccaaacatg	gcacatgagg	aactgggctt	gagtatcaca	aagatttact	ggtaaattgga	34080
caggcataag	caccattaat	cagacagcac	agttactctc	catcttgggtg	gctgcacagc	34140
tcagcggacc	acacagggcc	ctcctggggt	gttgggcaag	gcctcctccc	aggcagaggc	34200
agctggactg	aggccagaga	gttctgggtg	ctacagcctc	taccaggaac	aacaattctc	34260
accagggga	ggcctgaagg	ctgcctgggc	ttggctgcct	gggcttggcc	taacctacct	34320
gtgaagaa	tcccagattg	ctagtacgca	tcccagggtac	caggagagct	ttcttaattgc	34380
atctgaaaat	cctggataaa	cagggctgcc	ctctgcaacc	caggctgccc	tacaagatgg	34440
gcttggcctc	cagagtggta	gctcagggaa	gcagagccct	caggtccagt	cagccttggg	34500
catggtctgg	cctcaccatc	tgacttacga	ttgacccagc	ctgcctgaaa	ggactcaggg	34560
cctaattcag	gttggttctg	tcttggttct	caggtagaat	gagagtggcg	tcggggaaaag	34620
gggtgaagtc	ttcacacagg	ctgtgcgaga	gcactcagca	gtctttgggt	gactttgggt	34680
aggagtggag	atgaaaccca	gcagtcttat	ggttttcccg	gccttccacc	ccaccacccc	34740
taccccttcc	tgtggacaaa	gagagggcag	agctggggcc	tcagtgccac	gtggggtggg	34800
cacatgaaga	tgtcagggaa	gcccagaatg	ttctgggggg	gggtgggggac	acattcattg	34860
aaaccgctct	gaacctaggt	cataaaactg	tgtgtcaata	ttttaaaagt	cacagaatga	34920
atgcagagct	ctgccaaact	caacatgctg	tgttccaggg	ggtgataaga	cgagcgttag	34980
ttcagtggaa	aaaaaaaaaa	gacaaaagga	gttttctttt	aatcttctgt	gtttcatggt	35040
tatactgagg	caggetgccc	ttgcaggaga	gaattcattc	atcatgaacc	caacagatga	35100
gtcccagtga	catgtgcacc	tgtcacctgt	gttgagttta	agtgaatacc	atatacaggc	35160
agtaagaatg	tatcgaggca	aatgtacgct	gtccatttag	gccagcagaa	gccatcttgg	35220
gtttcttctg	ccaagttcat	acacctctgg	ttcaacagtg	ataagctgaa	gggaagtgtc	35280
aggagccata	actgccactc	ctagtccttt	attactaggg	ggctgtgctt	ccacccttga	35340
aaataagtct	tgtttggcac	tcaacgtttt	ctgtggagca	aacaagcaag	tcatgtctct	35400
gaaatacctc	atttgttccc	ccaaacattt	caccagctcc	tccatgtgct	gctcagctct	35460
gggatacata	gatgggcacg	gctaggtgtt	cccctccctt	ccccacccaa	cagcctatgg	35520
tctgcagagg	aaaactagcc	tccagagaag	gacagtctgg	attcactggt	gagatgtggt	35580
ttagaatcac	cccacaggac	catggagcca	gggagggaga	tgtgtgaact	gaacctgtac	35640
agccccacga	gttgctgagt	ggagaagggt	ggcttgggtg	cggggagcag	agggggcaga	35700
gtggaatatc	agggtggcct	aagagtctgg	gtgcctgtca	cccatgagga	ggcccccagg	35760
agtcctcttg	gaacagaggc	actgatctcc	ttgtggccag	taagttagca	gggctgaggc	35820
aaggaacagg	ccagcaaaaag	cctgcggggg	gccagggagt	gtgacaacca	aggaccccca	35880
gagcactagc	agctaaggac	ctcatgccac	actcagacct	gggcgagggg	ctgacctgga	35940
gacctcttga	gctttctctg	actgtatgga	gctcaccagg	gaaaacatgg	gggatgcctg	36000
gatgcattgc	ccagctccga	gctcagcaca	aaaactccct	cttggaacag	tctagaaaga	36060
ggctcacctg	aggcccagct	gtcaccacag	ggccatgatg	tcattgtggg	caaggcatct	36120
gaggggcagg	ggccttccgc	atcccactgc	tgccgtggcc	cgtggccccc	tctgccttgc	36180
cctcctgacc	cggaggccca	gtgcgtctct	gtgggggggt	ggaggagcgt	cagcaaagga	36240
gaggctgcac	agggcgccct	cggcagtgac	gcgaaaccaa	gagcaggaaa	agcaacccctg	36300
ctcagccctg	ggcgactcag	acaggaaaag	gcctgagcct	gaggcaacca	ggaggggggca	36360
gccttatcac	ggaggccgtg	gcgcgggcct	gagtgctgct	tctgccctca	tccaactgca	36420
gcgggacaga	ggcaaaacag	aggccccccc	tttgtttcca	ggggggcctg	gaaacaaggc	36480
ttccaagggtg	gcaacagtgt	cccagcccag	ccaggcgggtg	gctgcagggg	gccatgtgtg	36540
tgcgcctgtg	cctgtgacca	gcctcagggc	ctaggggcag	ggagcaggcc	aggggaaagg	36600
ctctgtccct	ggggcttggc	cgggcaggtg	gaaagccagg	ttcagatggg	tgacctgggg	36660
ctctgcagct	gctgtgggtc	ggcagagggg	aggaggcgcc	cttagcagtc	aggggcagga	36720
tgatggtagt	gacgtagctg	actacggggg	tgcttgacct	ctgggcagca	atgtgctctc	36780
agggtgggct	ctgtattgag	ttcccactgt	cagcacagcc	tttgctgctc	gcctcctcct	36840
cagagggttc	agagcaaatg	atgcagggtc	acctgaggac	aaagcatgga	tgggggtgtca	36900
tggaaccttg	gtctgggagc	ttgggcaagc	ccttcgagct	cactgagctc	cctgtgctcc	36960
ggcaggcat	gagaactctg	acttctgaga	ctcagatgga	ccgagagtgg	caaagtgcct	37020
ggcagttctc	acatccagcc	ctgccacact	gtggcatggg	acctctgtgg	tcacttctgt	37080
ggcctcccag	agacaccatc	tccctctgtc	accttaggac	cacagtcccc	tcccattgca	37140
ctgggtgtgg	gggaccagtg	aggagtggat	gaggaagtgc	agagaccact	ctacgcttgt	37200
ttccctgcag	acttttagtg	ctgt				

aagggacccc	tggccaggag	caagcagggc	agcaagcaaa	gctgttgggg	gcactgtggg	37680
gactccccc	ggtggccagg	cttctgtgtg	cccgtgccac	ccctcctcag	gacctgtgtt	37740
ccagttccgg	ttgggcaggg	gctggcactg	gagagaggct	tatgtgtcaa	caccataaag	37800
cagccagcaa	gcccataatga	ccacgctctg	caagaccaca	cagcacagac	tggcacctgg	37860
ttctgcttgg	gggcaggggc	gctgccagcc	tgcaggccgc	ccctacctct	gggagcagag	37920
cccgaacttg	gggagcgaat	gaggcttctg	ggctggcttt	atgctgacaa	gggccttctg	37980
cactgtcagc	ccggccccag	ctcccagcaa	gtctcctttc	gctccccatt	acggccactg	38040
gggctccctt	tggcaaggcc	tgaggggcca	aatgtggcca	tctagcctct	ggggacttcc	38100
ttccttttga	gctagaaaaa	caggtgcaga	atgtgtcttg	ctacagcagg	ggcccgccca	38160
ctcacctata	gaaaggccct	gccatggact	gagcctccca	gcctaggaaa	cctggctctg	38220
gcctcccctg	caggcatatg	atgtttggct	ccagaggcct	tctcctctgg	gcttttccat	38280
gcctgtgaac	tgggccccat	tcatttctct	gtggtttcat	gggaacgtcc	aatgcattca	38340
ggaggttgca	gtgcgcgcag	gaggagaggg	gtcagcgaga	ggcccagact	gtgactgggtg	38400
ggccaccag	aggccacggc	accctctgct	ggagactggc	agcagggtgc	atggccagct	38460
gtgggtgggg	gtccatcagt	caagcagctg	cacttttctc	ccatccccct	ccccgaccca	38520
ggcaagggtg	tctgcctgcg	gctccctttc	tccaggcctc	cactttccag	ctcccaggca	38580
cccagcccca	cccggcctgg	cctggaacag	agctgccacc	aagatctctt	ccactttccc	38640
tccccagcag	cctgcaattc	agtgtctcgt	agaccctgc	ctcccagggc	tctgcggttt	38700
ccaccacact	acactcaatt	tccagctgct	aagaacacag	caggttctac	gtaaagggtg	38760
ccatcacctg	caccccatgg	gttgcccagc	catggagaag	aggccatggt	tgggtacaca	38820
gcttctgaga	caggcccagc	agctgccttc	atggcctcgg	cagagcccag	ggctctggag	38880
cttacaggca	gcgtgtgccc	aagtgtggaa	aatttggctc	gcagaagaaa	tgaggctgaa	38940
attggctggg	agcaattcct	atcaaagcca	cgttagcagt	tttcagcaag	agctaattga	39000
acaagctctg	tgagtggcct	cattccatta	gcaggagcct	cccacagagc	gtgacaaggg	39060
ccctgggtggc	tgagggcaga	agaggtgtt	tctgtccac	atttgccttt	ggcctttgaa	39120
aatggactaa	ttttcagctt	tgggcactgg	tctgtccct	ctgcccgggc	tcccgtcat	39180
ttccaaggcc	actctctgag	tgtcctgtgt	gaggaagggg	tgagggtgag	ttgtcagcac	39240
tttatcaggt	gcatggatct	gaaatgggac	acctctggcc	tccttgccag	aggggtggctt	39300
tgtggtgagg	gtaggggagg	cagaagaaac	ttctagaaat	gttgctttta	ctgtgttttt	39360
tgcccaagtc	ctagagttag	ggcaccagag	ccagtcacat	cataagatgt	gtaataataa	39420
tgtcttattt	attcagggcc	aggaacttga	acattgcttc	cctgtttttac	agggaaacaa	39480
attgagatta	catgagctta	agaagcaagt	gagtggttag	gctggcattc	catgcaagcc	39540
actgaggaga	agccccttgt	ctccatggca	gggcagggag	aggggaggga	caccccccaa	39600
cccctaccac	ctgccagaca	ggaccttctc	ggccacagat	gcccctggatc	cctgactatc	39660
aaaaccacag	ccagcctttt	cagctgagca	gagaaatact	cagatccagt	tctctgatgg	39720
tcagggaagg	caggcttctc	ctgaagagca	gatcgcttta	cccccttctc	atctcatcac	39780
ctctgagccc	tgccagggtg	agagcagcct	ttcccagcat	cgctctttta	gatgcgacag	39840
aaacaggtcc	cacctgagcc	agcaggaatg	cggcaccag	tggttggtct	tgagctcttg	39900
atgctcgccg	gcaccttcag	ggtgaaggac	gccctgtcgt	aaacgcatga	agagccctgc	39960
gtttcatata	ttgatgttgt	tgttttttct	ttagaggaac	gtttgtgcac	tgtgggaacc	40020
tctgtctcta	ccagtgtcac	ccttgtctgt	gggagtgtgt	accgtgtgcg	gggggctggg	40080
ggcctttctc	tgtgtctgc	cacagtttgt	gaggggctcg	ctgagcctca	tacctgagcc	40140
tccccctccc	cacccctccc	tgccccagg	aggcccagaa	ccagggagga	gaggtgctgg	40200
gagtgaagtgc	cgaggagctg	gggtcctggc	cctgcagcca	ctgtcacagc	acagccccac	40260
cccagacctc	cagagtgggtg	gggcccgtgt	ggtgcagggt	ccagacgctt	ggctgatgcc	40320
aggcctggat	ccaaggcccc	cgtctccgag	gccttagctt	gctgttctgg	aagggtgatgc	40380
tggctggcag	ccattcccag	cccctcgga	agcagttgtc	aggcagtcct	tgagctccag	40440
cgccccatcc	cccgcagggc	ccagtgatct	cacgcctgtg	cccctgggtg	tgggaggagt	40500
gggggtgacac	tagggccagt	gcccacatca	gaggaggaag	gtatgaggcc	agggcagggg	40560
gcaggggcgc	ctcccgcca	gcagccccag	tgcccactct	gcgcccctcg	gggctcccgt	40620
ggcccagagt	gtggagcggc	tcaacctgac	cacccaggat	agcttggggg	cgtttcggag	40680
ggttggtgctg	ctaggctgtg	cacctagcac	agctccccag	gagagggagg	gaggaggtca	40740
ggggagaggg	ccctgctgac	cgggtcatct	ctggccctgg	gttcccatag	gagcgcctag	40800
gctctaagct	ggagcctccc	catcccagga	ccttggggag	aaagaggctg	ggcgccacct	40860
gctggccac	caggggaattg	acagggtggg	ggactgtgga	gcctgtgctg	gccgcagatg	40920
agagccctga	ctcccacctt	ccctacccca	cccaccctgc	accgtccagc	tcagttctct	40980
gacccgtggt	gccagggtccc	atttgcaatg	gcgaataactg	aactcggtgc	aactctgggt	41040
gctggcagct	gggcttgggc	tgcacctttc	tgtccccaaa	ctccactggg	gacccacctt	41100
ccagccaccc	cagggtgcca	ccgccagagc	caggggtcag	ccccaccttc	attcactcct	41160
actcatagcc	tacctgttca	ctctgcccc	atctgctact	tgagcatca	gaaggacatg	41220
agggcaccaa	acagccccg	cagctgtcct	caaacatcat	ggccaaggct	gcacctggga	41280
agtggaacttt	ctgtgggtgct	agctccctcc	tcagtgcctt	tgacctttgt	ctgggtccct	41340
gcttaaatgtg	gcctaactag	ttggggcaga	gctccacagg	tgctgtcctg	actcccagcc	41400

ccaggagggga gggagaggct gagacggcaa gggaagcaga gactcagcca caccaagggc 41460
cctggcaagg tgggcctctc ctccatagcc tcaccaggct tcacgttcaa ggtcaccaag 41520
agtgcacttg ttcactgtcg agggcagagg tgactcctgg gactgtgctg ggggtccagg 41580
gagagcaggt agcggagttg ccagggaagc agcttgccctg aggtctgtgg tcttggcagg 41640
ggcttccaca gcggccccac cctctccctg tccctccct cctgtccttg tctctgtgtt 41700
tactgaaaac catgagaagg gatgtggaga gcgcctgcag gaactgagag caggagcctg 41760
gctcagccct gagaggcccc cagatattca attcctaaac ccatagaggg tggggcatgg 41820
gcacagagga gtaaccaggg gccacctcac acagccctgc tctttcaccc tgcccgcctg 41880
gtggcctcct tagcctgcag cctcagtgc gcccgcctatg gggtcctgct gcctcctgct 41940
ggccacactg caaaatgcag cccagggtcg ggcctaaggc tacacttgct cctcttccgg 42000
caagcctgca gctgggctgg aggggaaagc aggcaccaca gaattgcctg gatgctcctg 42060
cccaggagga ttgtccgact gcatggggag aaaagtccag aaccgtgcct ggcacatag 42120
agtttttatg gagtgaaggg gcaaaagtac gcatgattgt gtgcatctga agtatttccg 42180
tgctgatggc ctgaccagta tcagattatt tttcaagcag gaattttgat tctcttggg 42240
ttcacatat cttattatga aatccgaata agaacagtct aatggcacca gacagtata 42300
caggtgagcc tagaacagtc agtggtcatg tgggggactg cagcctgctt ttcaggagg 42360
cttcaaaaga attgaggaac acagattgat ggcagggatg aaaatcacag ggcataattg 42420
ggagaccccc agctggccat gtggggggca ggtggggcaa caggagaaca gtgcctgcgt 42480
cctgagggct ttcaatgcat caggcagagg gcctgccagt gcagaacctg ttttctctgc 42540
gtccatgaca gccctgagca ggtgccattg tgaccctgt cctgcatttg agacagagga 42600
tggggagggc tctgtgattt gttcagaatc ccacggcaag aaagtgtggt agctgagag 42660
caaacctggg cttgggagac ttgtagtggg ttaagggtt gaacacaggg tttttggcag 42720
gaagtgggtg gcacaagcac agattagggc tgggaggtgg ggtggcacat cacaggccgt 42780
tactgccacc cagagggcaa catggatgct cctcctttta cctgctgggt gtctgtgtg 42840
gtagaaggc aggtggaagc ttgactcttg tggtcacaca tcccagctgt cacctgcctt 42900
actgtgtgcc atgagccagc ccaaaaaagt cccactagt ccccaggga ggcgtaggg 42960
gtgctgggct ggcttccctc ctctccagg gtgctgctgc ctcctggggc atttcccagc 43020
ccttcttct ctgcatctca ggctccctgg ggaggcagat atgctctcag gacatcctg 43080
cagagcacag ccacacgtct gccctggcag gccaccctg ggtggaggag gggctctata 43140
tgccagggct ctctctctcg gtggtggct tcttttccac gagcatggcc agatgacgag 43200
gtcacccgc agcactactc acacctccag gaagggaagt tgatggcagg gttctggctg 43260
cagccaggcc tgcgggagct tctcctcctga tctctctcac tcaaggggaa agctcaggc 43320
tgggcatgaa ggctggggaa aggcagggaa ggcagagtc cccaggctg gtcaaggccc 43380
cgatagcccc atgtctccct gagggggcg ggctggccca tcacaacagg ctccagctct 43440
aggcatgagg actgccccaa ggctggccca aaaagaagt cgtggcctcc tgtgcacatg 43500
tgtgatcttc ttgtccacc aaaggcgga gctgacctca gtgctgtgtg ataccagccc 43560
ttgggtggtg ggtcagtgg tgcctatcgg tcccgcctcc ttcagtctgg gaccttggc 43620
gcctggttca tgtccacat agccacatcc attcacagt ggggtgactc ggggtctcac 43680
tgctcagtc ttctgtggg gctgcaaagc gctcctctgg gagggcttcc ctcctgtgc 43740
acacccaagt gctgcaaagc gtcctctggg gcttccctcc aacaaggcac cgtccccaga 43800
cccatcccca ctctgcctc ctgagagacc ctgttgggag gcttccctcc ggtccactca 43860
cctgtctacc ctgagagacc cctgggactg tggggctcctt ggtccactca ccatgccctg 43920
ggagaaggga gccagcact gagccctcag agcaggggct ctgcccaggt gttccaggca 43980
atgcctcagg ggtggaattc acagcctggg ggattgggtg ggtgctgag ctctggggct 44040
ggcgagcatg gtgcccctc ttctctctcg agatgggtgc tccctgtctc tccagggtcc 44100
cagcagagat ctttctctcg attatttaat agatgggtgc agaaaggcgt gtagaccaac 44160
gctgcagtga aggagctaac aagacaggga cttggcgga cacatgagat gaggtagctg 44220
gagccagcac ggtgctggg gacctgaagg gtgattgata gagagccagg ccggctgcag 44280
agaccatggg tttaagctga gaccccaaa cccagcggt cctcccatc cacaagatcc 44340
ggaggttgct cctgcgcacc ttcctgctct tggccaacat ggcagtggcc cacaagatcc 44400
cgtgggaaag cgtggaggag gccctgctgc gccggcacc cccgccccaa acaaggatgc 44460
tctgcaggct cgtggaggag gctcctgctg tggggctgcc cgtggacttc agctccgcag 44520
accgcgctt ccccgagcag tgcgaccaga tggggctgcc cctgcttggg ggaaagaaga 44580
tcagtacat ggtggaattc gggcaggatt cgggggaggc cctgcttggg tccctccct 44640
gagccctcaa tgtgagtggg tggccagcg gcctctgctt ccccccagag tccctccct 44700
gaaagacctg gaaggtggg ggaaggagg ccctgggaga aaggggccct ctgagtcaca 44760
tcagccaggt ctctcctgta ggggagggc cagaaagggt gccaagcggg gggacctg 44820
ggggccctga cagtgggacc gtcctgtggc cagaaagggt tggctctggg cccagaggct 44880
aggcctagca gagggcagg gttaggaatc ccgggaatgt tcttgggtggg tactttcag 44940
ttcagagtc ggggtggaat gtaagaaac ccagggcctt ggctgtggtc ctggaggagg 45000
tgctccctgc cttggggcaa aacctggga ggggaaggca ggtgccccag gccagagagc 45060
gagacatctc ccaggggccc ccagccagca aaaacatgga agtggtgggc acagggtgtg 45120
tggagcccag tgagtccagg

ccgtcgctgc	cctctcccc	accatcccc	tctgagcagg	gtgagcccc	acaggcaact	45240
cctcccccca	gagccgggca	tgaggtgctc	agcggatgac	agggcccaga	gtctctgccc	45300
gagctggacc	acacgtcaca	taggtttctg	ggatttgctt	ctagaaaagc	ctgacccaaa	45360
catttgagaga	tgacaagtac	tcactggccc	gcaaggagggt	gctcaccaac	atgtgtctccc	45420
ggcccatgca	ggtaaggagg	gcccagcccc	ggcctcccct	gctcccagga	gcacactagc	45480
cccagacctg	tgacctccac	gtgcaagcac	aggcccccac	cgttctctgc	tgctctggac	45540
atggctgggt	ggacgggggc	tgctctctct	ctgccagagg	gtgggagagg	aggccgagcc	45600
caggcagcac	ctagaggggc	gcaccttgag	ctctctgagt	ttgagcgct	gtctctgtct	45660
cacactcgct	caaggacaga	gtgccctgga	gctgaggggc	tactgagacc	tcctgtcagg	45720
ctggggctct	ggaggagaga	cagggtccca	tgtggtttcc	tgtcccaggg	aacactccgc	45780
agcctccatc	cccacatgtg	gagtcagaa	ctagctgtca	gcctctggcc	agtgtgggaa	45840
agaagcggac	ttggccgggg	gcctaggcct	gggctgcag	ggaggtggca	gcctgtgggg	45900
tggacagctg	ggcttgctct	gggatgcctg	tcacagcgcc	ccaggctgag	ctcccccat	45960
gcagggcccc	agcatcctgg	gaccaggacc	ccagaggacc	ctcgggtcag	cgggagcagt	46020
ggatgctgat	gggtcggctc	tgggtcccac	cccggcccag	gggcagagac	aggctgtatt	46080
ttaggggctc	ggtcactcgg	cagattcaat	ctgttcaaa	gaactgatgg	cttcagctga	46140
cctcagtgga	tttattttct	gacatttcaa	gctctgtggy	gtttgaagcc	atcagggcct	46200
gcttgggcct	ggtcacctgt	acctgcccc	agtcacaagt	gtctgccag	ccaagcacct	46260
gtggcaccca	cagcggagag	gggctgggcc	gtgccactg	ggctctctct	gttctacact	46320
gcagcggctc	taggcctggc	agagaaggca	cagcagcccc	tgagtcccag	aactgcctct	46380
ggctctgccc	tgtcggggcc	cctcccatgt	ccctgcctct	gacgccatca	cctccaagga	46440
ggtacaagcc	aagctggagc	tcacagagatc	ggagccgctc	cggagttagc	cagagcccga	46500
aaagcctgca	ttctcctggc	tcgcctccca	gggagctcag	aggtgccttt	gcccgggaat	46560
ccgatggcag	agagttacca	ggtctgcggt	gctctgtttc	ctcagccccg	ggaactgggg	46620
tggggacag	gcagggcagc	agcagagagc	acagaaaagt	gtgagggggc	acacagtccc	46680
cagtgagcat	ctgcatcagg	acaccagggc	tgctccgagg	ctgtcccagg	gatggctggg	46740
cctgtgggaa	agccatggct	cccacccatc	ccaccgacc	ctgagccacc	tcaccagcgc	46800
aagagggggc	agggcccttc	atcaacctca	cccaggtcat	ctggggaact	gggccaccac	46860
tgagaacaaa	gcccagacat	gtctgggagt	ggaggctgtg	cccacctccc	ccagagactt	46920
gcccccgact	taaccagagg	cccagcaggg	gctggaagg	aagtggagt	agggagcgga	46980
gcaggtcacc	atcagctgcg	ccctggattc	cagggcccgt	gtgcacagag	taacgggagc	47040
cggtctgtct	tctggccaag	ggcacaggag	ggtgagtgtg	tacagcagcc	agggagcaag	47100
ggagccagag	agacatacag	gcgtgacctt	ggacctctgc	gaggaaccgc	ttcactcgct	47160
cccaggcagt	agcactggcc	ctgacaccca	gccttgaaa	ctcggggact	gcaggacaaa	47220
cagcttcag	ggctgtggcc	ccagctggga	cgggctatgc	gctggctccc	agagactctc	47280
ggtatctccc	cctgccccag	tcctgccttc	tgccagcac	aagggccttt	ggactcagc	47340
ctctgtgtct	tcagccccgc	ggagggtcag	gtgtcagaga	cgagaagggc	cgaggctggc	47400
aggccggaaa	ctgcctccct	tgactgctgt	ggggtggagt	attggcgagc	acagaggtgc	47460
ccgggtgaag	cgtggcttca	gctgggcggg	atcagtgcc	gaggggatga	ggacggcccc	47520
gaccaaaggt	gggcctaggc	tggagaggaa	gctccaagag	cctgaggccc	gtattgcaca	47580
gggcagggga	tcgcatcctg	ggctttctct	ccctcctccc	actctggcca	gatgggagga	47640
tggacgttgc	ctccttgaac	aaagacccac	aggctccttg	gcttctgctt	gtgtctccag	47700
cagacagcgt	ctgcagcccc	tgtgtcaaca	aaaccgag	cggcctctct	ctcttctctc	47760
tcctcatgtt	cctctctcag	caccaccacc	ctctccttcc	accacctctc	cctctctctc	47820
ctctcgctgt	gcctcctcct	cctcctctct	ctcctctctc	tcctcgcgtg	tcgcgcctct	47880
ctcctcctct	tcctcctcct	ccgtgtctgc	ctcctcctcc	tcctctgcct	ccacctctgc	47940
catcgccacc	tcctcctcct	cctccccacc	ccccgcgcgc	tacctttctt	tccttctctc	48000
tcttctctgg	cgagagtagc	agccccggcc	ccatgctggg	gaagggtagg	ccagagactc	48060
ttcctcctct	gtggtgctca	gcagtgactc	agcagggaact	ggacttcgga	ggctcagctc	48120
gtgcccccta	ccctgacagc	atcctggggg	ttcctggctc	cctggctctc	agcagggtgg	48180
gcttgctccg	gccatttctca	gtgctgccac	cttgagggca	cttgggaggc	ccaggcagct	48240
cagatttgct	tcctggaag	gacattggga	ccctgggctc	ctgccagcc	tcctggcctc	48300
cccttggggc	cccttgtgca	gcaagggccc	tgccccag	ctccctggc	gtcactcagc	48360
aaccagcagc	ccattaggct	tgtccacaca	tcgctgcgca	cggtgaggct	gtgggtggtg	48420
ccagccttcc	aggcctggct	gggcagctct	gggcttgtca	ggctctgacc	catcccgtcc	48480
cgcagatggc	actgtacttc	tgtcgggggc	tgtgcagga	cccagcgcag	ttccggcact	48540
acgcgtcaa						


```

agctcttccc agccccccag gctcccactc tcatgcctca cccctcttcc ccaggctata 49020
gggagcgact agacatggcg cccgataccc tgagaaaca ggcggaccac tgtaacgacc 49080
gccgcatggc gtccaagcgc gtgcaggagc tcagtaccag tctcttcttt gctgttctgg 49140
tcaaggtgag ccctccagcc tgggtgccct cacctccctc tggctcccca ccctcctggg 49200
cacctgtcca ccaggaggcc tcgaggagcc cagggcagtg ccaggagggtg ccatggctgc 49260
agcactgtcc ctgcaggaga gtggccccct ggagtcagaa gccatggtga tgggcatcct 49320
gaagcaagcc ttcgacgtgc tgggtgctgc ctacggcggtg cagaagcgca tctactgcaa 49380
cgtgagtgcc ctgggagagc ccggggggcg gcagggcagc ccaagccatc ccgactgga 49440
ggggcacagg ctgtgatggg tcacactcca cccctcgctc cccagccctc agcacaagc 49500
ccacctgatg ggcttctgtg agacgcccag ctctcccacc tgggatgggtg gctccaggcc 49560
cagggtcagg cctggccccc ttccccaagg acccaggaac cagagagcag gccctccat 49620
ggccagtaca gctcggcagg gtgtgcaggc tttggggact gtgtttatag gaacgtgaag 49680
gaatgaaagg ccagcgaatg gtccgtggcc gctttggaaa ctgtgtcccc tgaagacaag 49740
gaagagagct gtccctggct cggctcctgc cctgagtga tgttgactca cagtctctc 49800
tccaagggga catgggcctg tccaatgct gccttagggg ctgggtcca gctggccctg 49860
gggtctgcag gtcaccacct gcctctgtgc ctggctttga atttcctaac atccagagt 49920
ccctgggagt acagtgtcca gccgttgtg tgagtaaac gtggtgttca taaccgggag 49980
ctgggcagaa gaggaacga 49999

```

<210> 17

<211> 49999

<212> DNA

<213> Homo sapiens

<400> 17

```

cagagtcccc ctgcggaccc tgggggctct gtatcctgaa gttcaagcct agtcaccct 60
gctgtggggc cagccctgcc tgcactgaca gatggacca gcagggggcg cagcgtccg 120
ccgccacagt tctctgtccc cacctcagt cagtacgcc tggaccccc accacttgc 180
ccccatagca cacagagcca cgggccttcc cagccccac ccctggccct tggctactct 240
cacctgtctc ctcaactgaa ggtggcctgg cagggcctcc ctgaagctcc ctccagccag 300
gcaaggggtg gccagggcgc agggctgagg gccgcctcca agcattgaag ccctccaggg 360
tggaagggca ggcagcagca tccagagctc aggcctgagg ctgggtgttt gcactccagg 420
cactgtccct cgggtccccc cacttcagaa aggtgggcaa gaagcggaa ctcacgttgg 480
tctgggagcc tgaggacatg gagcaggagc cagcacagca ggtcagaacc cctctgtgtc 540
ccagccccct aagtccctgat gacccctctc ctgcctcctg cgggtgccct cattccttca 600
tctgtgtccc ctgggctccc ccagcactgc agcctcccgg gtggggtttt agggccctcc 660
cagctcacc cagccccctc ctgtgggtcc tgcttctctg caccaccttc ccttccttgg 720
gggcaaccac agtggagaga ggaggggctc tgctgtccc gctaattgag ggggtgtggc 780
cttctagggc ccttttagaga acctgatgaa agctatgagt ttacacccaa gaaattgtct 840
ggaaccgttt tcaccaacag tgtgccctga acgcggaccc aggcctcag gttgtgttcc 900
ataagccttg ggagcgctca ggtatgcatc gactcccaa ctctgccctg acccagggca 960
ttcttctctg agggggcccc cattacagac aggcgagcag aggcctccag aggcggaagg 1020
agggggccagg ggtcctgtctg cagggatgga ggcagagctg cgctcgcaca tcaggccctg 1080
ccatccttgt cccctcacgg ctgggtctctg cacaggtcat caccatcttc agcctggtgg 1140
aggtgttctt gcaggcagag tccacagccc tcaagtacag cgccatcctg aagcggccag 1200
gcaccaggg ccacctgggc cctgagaagg aggaggagga gtctgacggg gagcccgagg 1260
actcaagcac cagctgagct ccaccagccg cctgccccgc ctgccccgcc tgctgtctcc 1320
gccacactgg ctttaggacc tgttgacacg gaggggggtt ttttaatttg tttttaacaa 1380
ctcaggggtt tgtttttatt tttatttaat ttttgagct caacttttaa acaaactgca 1440
ggggagaggg tggggctgga aggaaggctg aggcctggct agcagtgacc ccagcagagc 1500
aggcccaagt cctcctggga ggctggcccc ccttttttct ggccctact gccctcctct 1560
gcccaggaaa tgggggggtt tcagcaactc agtgtcacag aataaaatca agtgtggagt 1620
gccatctggt gtgtagggcg cctctgggaa gcctgggcag cagaatgcc cttgcacca 1680
gggcaaggga ccagttcag gcttcacccc tcgctgctga gccgatgtca acacctggaa 1740
ctttcctgtc agttccaaca cgattcagag ctggctgcct gccagatgat tgatactgga 1800
gtctcattct gcctgattaa aaatggaatt agtatgcaac actgagagcg ccccatcac 1860
cctgacgaat gtgactgtgt ctgacgaatg tgactgtgtc caacctgcc cccacttct 1920
ctctgcacca gtcocgcagg gcctgggtgg agtcatgggt cctgtgatac ccctccctc 1980
cagttcctca agcagcactc tgtgaggtcc tgtgcccagc tctggtgtga gtgggtgccc 2040
cggcagcacc aaggaggcct ggacagagga gccggcctgg gcctggggga ggggaggagg 2100
gccctccagt gccttccaaa ccaggagggg aaactggctg ctggtgacac agcctgggtg 2160
acacggatcc cacctgcctc agtcccagac agagctggct ggccactggg cagtcccttc 2220

```


ccagccagc	ctgacccag	cctgtactcc	ttccccctcc	gtgggggaag	ctccgtgget	2280
tggcgtcccc	gagagctgcc	agaaactagg	atgaaagcca	tggtgagcac	ggcctctgtt	2340
ccctgcacc	atttcctggg	gtgtccggat	taacaagctc	at ttgatctg	gttacagtga	2400
at tttcttca	aagaaacact	caatagggtc	ccttgtcaga	gtgcctcgca	gcgacagtga	2460
ctgggtactg	ctgcctttgt	cctgccaccg	tcagacgggg	ctggctatgg	gaggcaacca	2520
aagacatccc	gcacctgtccc	tgggagcctt	tccctcctcc	agggctcagc	cacctcaggc	2580
ggccttcctg	ctgtgtgttc	tgccaccccc	gagatgtccc	agaggccacg	gtcaccccat	2640
ctgttcctgt	ccccagaacc	ttctctcgga	gccaagtatc	tgacgggaca	gacaggcgag	2700
cgtctggggg	tttgggtgtg	gggtggagaa	ggctgtgggg	tgctgcccc	gccaggcgag	2760
cctgactgtg	agagcccca	acaggagagc	cccaaacagg	aaggaccagg	gcccttcccc	2820
tcccctccat	gctgccacc	ctctgaggag	cagtggccaa	gttctctct	gggcttctcg	2880
ggccaggctg	accctgtccc	ccagggcctc	ccacgaagca	tgggagctgt	tccctcacag	2940
gcagcacaga	ccgggacgga	cacctgtccc	tatgtcccag	cgcccccagg	ccccagtgag	3000
gagtagccag	gggggtgaac	aaggggggtt	ctgctgcctg	ggcttgtttg	ggaagcagat	3060
gctgggctca	gagtttcttc	agagagcctc	accttccgtg	ctggccccag	agcatggcgg	3120
gtccctggag	ctgtggaggc	catggcagcc	ccaggccacc	ccaccctatc	tggggaagtg	3180
gaaaccgtat	ccagcagggt	caggtcaggt	ctctgccctc	agtgccttg	caaggttgtg	3240
ccagccagg	acctgggctc	aggccacagg	agccgccaca	ccctaccctg	agctcagaga	3300
aggcagccca	gccttctccc	cacaccagtc	acaccgagcc	ccgcgtctgc	attcactcct	3360
ttaaggaaca	tggttgactg	aatccggtgc	cgcgcattca	caggatggct	ctccatgggt	3420
ccactggggc	ccagcctctt	atgtggcccc	tcgctaaaag	gactcaacag	aaagagtgc	3480
caggcaccca	ccctcatcta	aaggaggact	tggccattcc	ctgggctgtc	ccacagcacc	3540
tgccggccag	ggcccgggca	cagagcgaga	ctgtcttttc	ctcaaggaga	caccgtgggg	3600
gagggaggga	gaggtagaca	ccaccaacct	cattccatga	ccagggcctg	gcgatgctca	3660
gaagccagtg	agtgtgtccc	tgccctgaag	ggctagtgct	ggccccctgg	acctaggggg	3720
aagatgggtg	aggcagtggc	ccagctgag	gaaggagctg	aagctctcaa	gagtttgag	3780
ccaccctcct	ggggagagac	tgacgctccc	ccagttcctg	ttaggaagga	cctcaggaaa	3840
gaactggaat	tacacagcct	gggggtggcag	cctcctggtc	cctgaggagg	atgtcaggcc	3900
gcagaaggga	ggaacgggca	tgaagcttgg	gaagcgggcg	ccagaggagg	cgaggcctct	3960
gcagaagcag	caccagaggc	cactgcagcg	gctccaccac	ccagcagcgc	cgccaggagg	4020
caggaagtgg	gaggccaggc	aggaggggct	gtgattgccc	aggtgccagg	aggaagggct	4080
gagagggggac	agtgcagatg	tccagagagg	cctgacaggg	acaggctcgc	aaagtccagg	4140
gtgggggatgg	gcttcgcgca	gagttgtgtg	tggcctgagg	acagtgcagc	aaggaggccc	4200
catggtgagc	acatgcagcc	gaagtgcagc	gttgggctcc	tttgtgggac	aagagcctct	4260
ccaggccact	gcagggtgtt	cacagaccaa	ggctctaca	gatctgtgtg	gcctgcagct	4320
gggcagtaga	acactgagca	tgcagggccg	gggtgggaag	caggaagacc	acatggacga	4380
gagagccggg	cctgcccagc	agtgcctttt	gggagcgcag	gcaggatggg	atgtgcagct	4440
gtgacctgcc	cgcatagaa	ctcgtctctg	ctggggagag	gaggtctctt	ctagccagaa	4500
tggaccagga	ggtcccggga	ggacctggga	ggaagtggat	tgagtggggc	cttagaagga	4560
gagccaggga	caggccaggt	caggggagct	ggagcctggc	taggtatgga	gagagcaggg	4620
tacacttgct	gcaactgtga	gaagagccag	gggtggccct	ggtggcctgg	gcgcgtttag	4680
ctgtgcctgg	ggccaggcct	gactggctgc	aagtcattac	tataggcgga	gagtgcagag	4740
tagcgcgtc	ctgtgtcac	tccctcctcc	aagtcacaaa	agaggcaaga	aaggagggat	4800
tttaaggcct	atccataccg	catggcaggt	gagagcagag	gagcaaacag	cacttttgga	4860
tcctggaaag	cagaaggtga	gtgtcccagg	cgtagctgac	ctgagaaagg	cgactccaaa	4920
gccagcagca	gcaacagctg	gaactgcccc	agcctgcacc	acgggacccc	cagctctgag	4980
actgagagca	gctctgggga	cctctgggct	ggggtgaaga	gggatggctg	gaatcattgt	5040
tgcaacaat	tcagtaggca	ggcagctccc	tagatcccac	cgtggtctgc	agaggccagc	5100
acctgtcccg	acctcttact	ggtcggccct	ggagagccat	ctcctacaga	ggcaaaatga	5160
acggtctctg	ggccaggacc	aggcctgttc	agggggatgt	gtggctaagt	gcataaggga	5220
tgctgagact	acagccctcg	tgcccaggca	gcgctcagg	catggtatgc	caggccctcc	5280
ccatccaggc	cacagatggg	aagctccat	ccaatctcag	tccatgacca	gggactggca	5340
aaactctcag	ttctctctcc	atcccagcag	gagacaaaaga	acccaacctc	agagattcct	5400
caactcggag	accagaccag	gccacctccc	agagcatctc	agtctgcaag	ccccttggtg	5460
tgctcagagc	ttccagtcac	actgtcatg	cctatccgtg	cacagccagg	gattgcccct	5520
cgtggaggga	aacttcatga	aacaaaaaac	aagctccgtg	gggaacacag	accatagagg	5580
aaaaagaaag	ctgtagaaaa	agaaatgatg	aatgccttcc	tggaggtgag	aaagccatcg	5640
tgaaacgaga	ggaggttg					

ccagaaagac	ctggaggaca	ttgaagtaet	tcgcatagag	cctcgggttg	gattagtagt	6060
cacatacaga	tgatccacat	gtgaagataa	gaccatgatt	ggctccagag	aaaacagcag	6120
tgcaagcaag	aagaggtagc	tagtcacagt	ttacgatctg	gcaatagcgt	ttacacagtc	6180
atcaccatag	aaatgccgag	tcaggatcta	gtttactgca	gaactctatc	aggaggactg	6240
gaagatgggg	acgctgtcca	catgcaggga	atgcagttgg	tgaaatggaa	gctaaatgct	6300
cattttcctc	agtgggaagc	tgtggcttga	agatgactgt	aaactctctt	tccgcctctt	6360
caatcttgac	aggccccagg	gctgctaagc	taatatggca	gaagggaac	tgtgccagtt	6420
gcaggccccag	gccttaagag	actggcagct	tcccctctct	gtctctggaa	acctacctgc	6480
ccttctgtaa	ggaagcccaa	gcagctctgg	agaagccctt	atggaggggc	ccactctcag	6540
cccacagcca	gcaccagttg	ggcagccacg	cagaccccca	acctgcaagc	caggccccgt	6600
gaggcctcag	tacacacagg	cagtcctatc	agccctgccc	agatggcagt	tttgtgatca	6660
aaatatagac	gatagatgat	tgttttttaa	ggttgttggg	ggtagtttgt	cacacaacga	6720
tagataatag	aacatcagta	ggctgtgtgt	gtgtgtgtgt	gtgtgtagca	tatatatata	6780
cacatatata	tatatacaca	tatacatata	cacatacaca	tatatacacg	tatacatata	6840
tacacataca	tatatacaca	tatatacaca	tacatatata	cacatacaca	tatatacaca	6900
tacacacata	cacatatata	tatatacaca	tatatgcata	tatacacata	tatacatata	6960
tacacatagc	ttcaaattca	gacatgaaga	agtatcttat	ttagaacaag	tggtaaatag	7020
taaaacacca	agagagagga	aagtggttgc	ctcagagatg	ggaaaatgca	aggagggaga	7080
cggaactgct	gthtgtttta	acaaaccttg	tagatctgth	tgatacttta	aactacattc	7140
acataatact	tggaacaaaag	taaaaactga	agttgaaaaa	aatgtattca	tgctaatagc	7200
acaggaatga	tccacaattg	gattccaagg	cttcttgtac	attcagcata	gggtgtatga	7260
aagagtccac	tattctagca	acagataaaa	ttcctactga	cacgcaacct	caggttccca	7320
ctcgthtaga	aggctgcgta	tggctctcta	cttaaagcct	caagtagcag	tcatggcagt	7380
gacaaatcct	cattgcctcc	atagaacctc	taggctcatg	tgtgagccca	ggctgggctg	7440
gggccccctg	gagccccagg	tgaggggcca	gtccctgggc	agctccgtga	gccaggagca	7500
gctgtgccac	ctggggaaag	gctgcacggg	cgatgggtct	ttctgcaga	agatgtgccc	7560
ccagcccttg	ctgggcacag	atcaaagagg	tgttcatggg	tcgaaatcac	agatttcaag	7620
gggtgatagg	agtcagatg	ggggggctgg	gagggctgag	gcaggttaaa	gattttgagag	7680
gggtgctgt	gtccacagct	gcatcacact	gctctgctgt	ccctccatg	ttccccggca	7740
ctgccgccta	ccctggggtc	ttctggaagt	aactgaaggc	ccctcaacc	tggtcatca	7800
tcaaagcaga	ctgttgacta	gctgcaggca	aatatgaaga	ggctatttcc	tgtcacaaaa	7860
aggccatgct	gtatctttct	gaagctatgg	agctgacgca	ggctgagtag	gctcaccttt	7920
cactggaatt	gcaaaggcct	agccacatga	aaccgcgcct	cctcatccag	gagacacgga	7980
aaagggccca	gcagaacgca	gacaaggatg	gggctgcccc	tcttcaggcc	tctcacagcc	8040
cctctgctga	agatgcagaa	gcacagccct	ccacagagga	acgcctgcct	gagactcggg	8100
gcatatgtga	cagggatcca	gacacacgac	tgtttttcct	tcagaaacag	agccgtgtat	8160
tggaagcaaa	gccccaaaac	acgataagag	tagaggagca	gacaaccacg	ttgcagattt	8220
gaagaagcat	gtggaattcc	ttgtggcgga	gaaggaaaga	ttatggaaag	aaagtaaaca	8280
ggtaaaggct	gaaaaggcca	gacttctaaa	aggtccagta	gaaaaggagc	tggtatgtgg	8340
tgtgtattht	gtggaaaagt	cagagttacg	gagctcgcct	ctgcattcag	aaactgctat	8400
acctctthca	gccttgcgag	ggthtgagc	agatgccagg	aaagccaagt	acattccaat	8460
acccaatctt	ttccctcgag	ttttccatct	ccagagcttc	cctttatgga	gctthctgag	8520
gatattctga	aaggatttat	gagtaactaa	aatggaaggc	catagaagaa	gggagaagag	8580
gaaataatac	taagtcatat	agthaatcca	gcaacaaaaa	atgaaaaggg	aaagccacag	8640
gcaagggtaa	tcctggaat	gcctcgtcat	ctgggtgtact	gtaggagaag	acgcattgcc	8700
aggatgtggg	gaacagtcgc	tgtgaagcgt	gtcacatacc	tgattcactg	acttgagctg	8760
atgatgccga	cctggcagac	actaaaactc	tggagggtea	gtthctcttg	acaccaacca	8820
aatggctgcc	tgaagaatt	thttcaagca	acaattatth	thcttatctt	cagggttaaa	8880
atgtataaaa	gtatgttatg	tataattaat	ctgttatgtc	ataagtgate	atgcaaaaac	8940
taaatattat	ggcagcctga	ggggctgctt	cgthtttgaa	acatgcttht	tctcaggcgt	9000
tgacgtatgt	atgcatttht	thactggcgt	thtgataaag	gtgtgagaca	cacctthcca	9060
gaggaacca	tatgtgcgcg	actgtgcact	actcataacg	gtgtataacct	caagaccatc	9120
aggagaaata	ththaaattc	cgtgttatga	agaaaagaa	caaattatta	gttatgctth	9180
thaacacaaa	thaccagtht	acataattaa	tgagggtgca	ththtagthc	thactthatt	9240
gtataaggca	tcatttgaaa	gtaccaagga	agthctctth	gtththtagt	atccgtgagt	9300
ggaagggaatt	ctagttggca	gtatthgatt	gtaagaaatc	aataaagtaa	thtgtthtaa	9360
aaaaaaaaaa	aaaagatctg	agccctgggt	gaggtaacag	gatgcgatgg	ththcacatt	9420
caagaagggt	ctggagaaga	gagatgattc	thggaatgat	gagctthcaat	thgcacatgc	9480
ctgagthtag						

aaactctcca	ttagtgtatt	cagcttaaca	ggttttcaac	ccaccagggt	gctgttgaa	9840
tacaattgtt	ctcctgggtc	ttatgataca	agatcaaggt	taaaccactg	aatacagtta	9900
cagcatcctt	gacttcataa	gctttccttt	ccatgcatcc	atatagatgc	ccaaagcacc	9960
attcagggca	gaatttagtc	tttcgtccc	cactctcaaa	ggacaaccag	gagctaggac	10020
ttggctgaac	caccaccta	ccagggtgcc	ctgcctgtgc	caccatcctt	ggccaagggt	10080
gaggcctggc	ccctgccacc	tcagcgatgg	tgaaggatca	gcccacttgg	ggcccgggg	10140
gcctggctga	gccccccct	cactgagccc	gttcctgtgc	ccccaatttc	ccacaggctg	10200
agggccagta	gcctgtctcg	tgtctgtgag	ggggctgaat	ggcctgttga	gaggcctccc	10260
caggaagccc	atagggagga	gggtgggggt	ttcctctcct	tgggggttgg	acagtccctt	10320
cttggttcca	ccccaggtag	ctgacccaag	ttctcctgtg	catgaggaat	gcctggatgt	10380
ccctccttgg	taggtgggat	ggcccagagg	gaggtcctgc	ctacacagcc	cttaattagg	10440
aatttagaga	tttgtgtctt	aggaaggagc	tgcttccgct	accattttgg	caactgtgtg	10500
ctgtgcagac	ccgcagcttg	gaaacaggtt	tcaaggatgt	tcaggacttg	cctcgtgttc	10560
ataaagggtc	ggggctgcct	cttccccctg	ctccccctgt	aactctgcag	caggccctgg	10620
actaattaag	tccccgcaac	agccccgaga	cccaggctct	gtgaaagtgt	tcagaatcag	10680
aatggagcca	cttctgtcca	accctaagag	caacaacaaa	atcatgcggc	cgggaggttc	10740
tgaaggaggg	ccctcccgca	cacctgccta	tgatcagagc	ccctccgaag	cctctgggaa	10800
gggcacagat	gcctgcaaca	agaccttttg	ccaggacttt	acaggacttt	gcagctcact	10860
acgtgagtca	caaggacggc	tagccggctg	cacaagaaca	cttgctgat	acgtgtgttc	10920
cactcgtaaa	ttgacgtcca	ctcctgggat	aagcccttgg	aaccagtgtt	ctcttccttt	10980
caaaataacc	atgtagccag	acttggttgt	gggtgctgt	aatcccagct	acttaggagg	11040
ctgaggcagg	agaatcactt	gaaccagga	catggaggtt	gcagtaagcc	aagatcgcgc	11100
cactgcactc	cagcctgggc	aacagagcaa	ctcaagaaaa	acaccaccac	caccaccacc	11160
accaccacca	ccaccacccc	ccccaaaaaa	ccgaccatgc	actgtccttt	tcacctttca	11220
aagccccctt	tgcttcccc	cctccgatgc	gccccatagt	tactaaggcc	ggggtctgtc	11280
atgcagtgtt	gctgttatt	cccagttaaa	ctccatagtt	ttggagagcc	tcctctgttt	11340
tcttgagggt	gacaggacta	tcattctttt	cgttcataga	tgagggaaat	aaggcttggg	11400
gaggttccgt	tctgaaggac	actcagtaag	tgggtggacag	agaatttcag	ctcagatcca	11460
aagcctattt	aatttacttc	ttttaaatcc	atgcttctta	gcactcagct	agtcaagtat	11520
caccttgaca	actttttgcc	gtagccacat	tactgctgt	ggtatgattt	gctgaatatt	11580
tttctctaca	taagctcaga	ttttccttaa	atctgttagg	aaacctataa	ctgaaaaatg	11640
gaagaccact	atctcttgcc	gtaaacagaa	gcaactgtgt	attccacaca	caccaaagc	11700
aatgtttctta	cagcctcctt	agatgtctct	agtctaaagc	atgctttatc	ttgttaaagg	11760
ggggatggca	aagttaggg	gatagtgaag	acatagaacc	aactgagatt	ctctccttga	11820
cattatcaga	agggttggaa	gacaatcaaa	aaataaccag	ctgggagcgg	tggtctatgc	11880
ctgtaatccc	agcagtttgg	gaagccaagg	tggccagatc	gcttgagccc	agaagtttga	11940
gaccagccta	agcaacacag	caagacctcg	ttctacaaa	aaatactggc	tcgcaggag	12000
gctgaggcag	gaggatggct	taaaccggg	aggccaaggt	tgcagtgaat	tgagatcaca	12060
ccattgcagt	ccagtctgga	tgacaaagct	agatcctgtc	taaaaaataa	ctttctcatc	12120
gtgaagttta	atactattta	atgtcttgtc	tgatggcagc	taaaacatgc	cccataccac	12180
ctaactctgga	gtaccacact	ttggaaataa	gtgtgtgtca	cattttggaa	aatgctgatt	12240
gcgatgaaaa	tgggaaacat	ggctggaacc	catcatctaa	tccggatcac	actgcacac	12300
tgcatagtgt	tcactccttt	ttctgtcttt	gtttttaaga	tatgtcacac	acgatgaaga	12360
gtgcagaaag	cagaaaggta	tggcctaaag	aagaattaca	gaattgaaca	ccaaagtaac	12420
cgcaccccag	atcaagaaat	tgattgtggc	cagggttccc	ccacaccacc	ccatcacttt	12480
cccatcgaaa	acactattct	ttcttaccac	tgaatttttt	ttctttttct	ttttaagat	12540
ggggtctcac	tatgttgccc	aggctgggtc	taaaactcct	gggtcaagc	agtcctcctg	12600
ccttggcctc	ttaaagggtc	gggattacag	gtgtgagcca	ccacaccgga	ccaccactga	12660
atatttggtt	actcatttta	tttccatagt	tttttgttt	tgtttttgag	acagagtctt	12720
gtctctgcac	ccagactgga	gtgcagtggc	atgatctcgg	cttactgcag	cctccacctc	12780
ccgggttcaa	gtgattatcc	tgccctagcc	tccagaatag	ctgggattac	aggcacatgc	12840
catcacaccc	agctaatttt	tgtattttta	gtagagacgg	gggtttcacc	atgttggcc	12900
ggctggctct	gaactcttga	cctcagggtga	tctgccacc	tcagcctagt	tactgggatt	12960
acaggtgtga	gctactgcac	cagcctcctt	ttcatcgttt	tatcccccat	atagtttagg	13020
tttgcccat	ttgaacttca	tgtatgtgta	agatatattc	tatcctatgt	gttcctttgt	13080
gatttgtata	ttttgttcaa	ctttatgttt	gtgagattta	atctgttgta	tgtagaaaa	13140
gcctggtcac	ttccattgct	gtataatatt	ccagttatga	aactcctgac	actttttctg	13200
ctgttgatga</						

tgggttagggc	tacacctctg	gggtgtgccca	gggctgctgg	agaatagact	ctccctggag	13620
cttcatctac	ctgtgcaagg	gaacgggggtc	aaactcaagt	gtacaagctg	ctctagaaga	13680
tgcagcccag	gcctgggtgg	cccagggcac	tggctccctcc	cccggcttcc	tcctccagga	13740
agaggtgtgc	acacccaacg	gcgtgtacac	gtgggcaagg	ctggcccagc	ccaggctgca	13800
atcatgacaa	agacaaggct	ccacttaatg	ttgtcaccac	ctgccccacc	ctttcccaca	13860
gcactggaac	tctgggcccc	ggctcctgcc	agcccaacct	gtctggggca	tggctggtga	13920
gaaaccaagg	ggtggcaggg	ctgccagacc	acccctacta	ctcacttccc	gctgtctcca	13980
ggactcatgg	cattaggagg	ccaaaccac	actgtggcct	gggctgtgtg	cttcgagctt	14040
cacctccctt	cagcaccaga	acagggtctg	gctgtagggt	gctcccagga	aatacagaaa	14100
aaatgggtga	atgaacaagt	gacagggtgt	cttgttccac	acaagacaca	gtgagtggga	14160
gtgggggtgg	cttctggctg	caggatgcac	actgccctca	cccagatggc	atctgcccc	14220
aacaccccat	tcttgccctg	cagacaccgg	ggcccaacct	gagctgcctt	tctcaggacc	14280
ccaggccag	caagccacag	cctgccactc	ccttcagcca	gtgtggcttc	aggtcaccaa	14340
cctggggcag	gatcaagctg	gcaacaaggg	aaggggccgg	gacacagtcc	tccttgattt	14400
aaactcta	ctcagcgtct	gtgcagtcca	gctctccca	gcgctggccc	aggacattct	14460
tgatgtcttc	caccagctgc	cacacctgca	gagtcgggtc	ggggagcaag	gtcagcccca	14520
gcagcctttc	actctggtcc	atcgctcctg	gcatgaggag	tgtccccatc	tttaggcacc	14580
acttacaaag	ccagagctt	ggttctgagc	accaagagga	aaccttgagg	atggggatcc	14640
aggccctgca	ccccgacaa	taagctcaga	ggctagaaga	ggaaactgcc	ccagtaacca	14700
ccctggacat	cccttaaggc	catgcctccc	gagcaaggct	gagaaggctg	ggcaggggct	14760
tcgtggagtg	ggtcaccttc	cgctgacaga	ccaggtaggc	ttcctggagg	aggaggcctg	14820
tggaggagca	gcctggagcc	tcagaatagg	ctgagccttt	agcagggcct	ggtgctactg	14880
gctgcagggg	gacgtgtggg	gctccccttg	ttaggacct	ggcctcagga	gggacccacc	14940
ctcagttcag	caccagcctc	cccacgttaa	accagggtaa	cccaccttgg	cagtgcagaa	15000
gtgttcatgt	acaaagaggg	caccaagtgc	cataccaaag	tgggtggttg	cctggcccag	15060
gcagacctcg	gccagctcct	gcagcttgtg	gcttccctct	gtctccctg	ccaactcctg	15120
cagtgcctca	tggaatggca	gggacagggt	ctcactcaga	accaccacca	cgcgccacac	15180
taggtagttg	tgcaggatcc	tcggggccagg	tgaagccagt	ggatgtccag	acagacgtgc	15240
atatggggcca	ccaagggcac	cacccccacc	tgtgcccccc	agcctgtggc	tggacccagg	15300
accagagcaa	ccccacaaag	aaggggcagg	aggtcatccc	agaaaatgca	gagcagcggg	15360
gagagccagg	atgtcaaacct	agggctctgg	atttctattc	tagtgcctca	cagctgcctc	15420
cctcagtggt	gttaccggac	acaggtggag	gtgggaattc	aaagccacc	cagcagacag	15480
gtcctagagg	ccggtggaca	ggggctagcg	gatctgcagc	cgctccctatg	gggtgcggag	15540
tggatgagct	gggtcacctg	ctacacttag	tcctgcgcca	gcactagcac	ctcctcttcc	15600
tctgagaacc	agtaaaactc	ctggcacggg	tcgatgctgg	catccagggt	ggccgcccag	15660
aagcgagcgg	cgcgcgcgaa	ggccttgcac	tcggggcagg	cgccgcgcgc	cgccgcgacc	15720
ggtccaggta	cctgagcgcc	agcaaagccc	ccaggatggc	gcagaggccg	gcccgcgaata	15780
ccagagccga	cagcaggctc	acctgcgcg	ggttccagag	ctgcagcccg	gcccagcccc	15840
ggtggccgtg	cttcccgaga	gaagctctgag	gggcagagag	gccccgcaca	ggccccagct	15900
gcctcaagta	cttgacctcc	tggaaactcg	ggtagtgcgc	cctcagcgaa	taccgggact	15960
ccaaggcgcc	gaggccgccc	cggtgcagcc	ctggggccacc	tgggctacgg	gatgcgcgcg	16020
gccgcggggc	tctctgtggg	cctccgcttg	gccccgggac	gcagctgcgg	gaaaaacagt	16080
gtcaagctca	ggaggcgccg	cagcctgacg	gagctcccgg	gcaccatgag	gagggacgca	16140
ggtctgggta	cagaggcccc	agctgcggac	ctcattcacc	gcggaaacca	gggacgagga	16200
gggctcggcg	gggccacgaa	ccccgcgtgc	acagtggagt	cttctccctt	gtccctctcc	16260
tcgcacacat	tgtcggtccc	tgggttggga	ggccttgat	gggaagcggg	agggccggcg	16320
cacggggcct	ggcacgtagt	gggccttc	tgaagggcca	tcctcttcc	cttcgcttct	16380
cttgtccacg	acctacccca	gccaaaggcg	ggtgggtgta	gagggaaagga	gccgaggctg	16440
aagtgaggag	gtggggctcag	gggcccgtct	atgcagcact	ttcagctctc	cgcgctggac	16500
ccagacagac	gctccacaaa	gtggccaaag	aaccaaactt	tgtcctcgca	gaagtccgca	16560
ggatcgacca	ctccaacccc	gctcgctggc	tccttctact	cgggtggccc	acggctcacc	16620
cgcccttcc	taccggcgcg	gcgccaacgc	cccagggtgg	cgaatacaca	gcccacctc	16680
tggacggccc	tgatggagaa	cccagagacc	gctcagctc	cccgacctc	gtctctgtct	16740
ctgccccggg	cgaatccggg	cttcaacagg	ttctccccag	aacctcaact	tgggtgaagt	16800
ttacccccct	cgcggggcgc	gggctggccg	gtgcgcccgc	gagtcctgga	gcgcgcgcgc	16860
tcagtccgtg	gagcccgaga	gcgaagcctg	ggagccgcag	cctgagccgc	gaggaagtag	16920
atgaagccag	gaggctccgc	gcagcgg				

agccgcccac	cagcctgctg	gaaaggggct	ggagctacgc	agctgggggc	cgcatgccc	17400
cagcccacag	ccctggagca	ccgcccaggg	aggactcctc	ctaaaggata	agggggccct	17460
gatggagtg	cggggtgcc	cgcacagcgc	ctgcgcggag	cgcaccttca	ccaggagct	17520
tccttgctct	cctgggaaac	cttgtccagg	atcagctctc	cccggggggt	ctgggcttct	17580
gggtggcctc	gcccccttcc	cccagctcct	gatccaggga	gagcaacgga	gagccctgcc	17640
agaagaaggc	ctgggcctgc	gagtgcgggc	cccatggtac	caatgcacag	ttgaccaga	17700
gcacagcaat	cgcggccaat	aggaggtgac	gtgggtttag	cctctgacca	cacagtcctg	17760
gtcaccctgc	acagactgcc	tttattgggg	gctccgaggc	ccagctcctt	ggctcttctg	17820
cagtttcaca	taaaggggag	cagccagccc	tccggctccc	tactctttt	ggggtcccc	17880
accctaatt	gctaaagtga	ccccttgact	cacaagcaag	agaatgatag	gccacagcgg	17940
tgcccagcta	aactcagcca	agccctgagt	gaggcagctg	gatacgcagc	gtgggtggtg	18000
gcggtagggg	ctgggggagc	tgggggtgga	ggctgtggcc	agagctgcct	tggagagaga	18060
aggcccagga	gggtgcaaa	ggcagaggtg	agaggttccg	aatcccaacc	tccgtctcct	18120
ccctgaggaa	ggcagatccc	agccagtcct	gcctgtgaaa	gttgtcagaa	accaaaggga	18180
gtcacttttc	ttaaaaactc	tgacaaatag	aggcaggaaa	ggccatgagt	ggagagtcct	18240
cgggcacaaa	acctgatgaa	aactatcaca	aaagactgca	aacaaccact	tgcgcaaagg	18300
ccatggcaac	cttcacaaaa	aatatacaca	cttttgcaaa	gacatctgcc	cagcaactgc	18360
ctgtccagcc	tcagactggt	gccacccgtg	tccgtgtaga	caagaataat	cgtcacaaaa	18420
caatcctgtg	attctccctt	ttcctttaa	aacacatgca	gacacatact	tgaacacaca	18480
tgcacacaca	catgcagatg	cccacacatg	cacacatgtg	catatacact	cacacgtgca	18540
tgcacacata	catgcatata	cacacgtgta	cacacataca	cacacacaca	gggtgggtcc	18600
cccaggggac	tttgccatgc	ctcattttgc	ccatttgtta	agggggtgat	tatagccctt	18660
actgcatgat	gctgcctggg	ggctcctgta	gtccgtacct	ggaggatgcc	taggacgggg	18720
tctgaactaa	acctgtacag	tcccatgggg	agctgagtgg	agaagggtgg	ctttgacatg	18780
gggagcagag	ggggcagtgt	ggaaaccag	ggagcctaag	ggtctgggca	cctgtcacct	18840
aataggaggc	cccaaggggc	ccctggggaa	gaggcaccga	cctccttggt	gctggtaagg	18900
gaacagggct	gaggccagga	acaggccagt	gagagcctgc	aggggccagg	gagtgtgaca	18960
gccaaaggacc	ctcagggcac	tagcctgctg	aggacccag	gccacactca	ggcctgggca	19020
agggactgat	ttggggactc	cttgaggttt	ctgactcaag	tgattgcaca	tgaggttagg	19080
agttcgagtc	cagcctggcc	gacatggtga	aaccccgctc	ccactaaaaa	tacaaaaatt	19140
agctgggcat	ggtggtgcac	gctgtgtgat	ccagctactc	gggagactga	ggctggagaa	19200
tcacctgaac	ccgggagggt	tcaagtgcag	tgagattgca	ccactgcctc	cagcctggac	19260
aacagagtaa	gactccacct	caaaaacaa	aaacaaacaa	acaaacaaaa	acaaacaaag	19320
ctgggtgggg	agatttgtta	ctgcatcaga	ataatctggt	tcaactttgt	ttttattttt	19380
tatttttttg	agacagagtc	tcattttgtc	accaggctg	gagtgcagtg	gcacgatctc	19440
ggctaactgc	aagcactgcc	tcccaggctc	aagtgattct	catgcctcag	cctcctgaat	19500
agctgtgact	acaggtgcac	accaccacgc	aaggctaatt	tttgtatttt	tagtacttcc	19560
tgctgattag	ggatgtaggc	cttggttaga	ggaatgaaat	tgttttttagt	agagatgggg	19620
tttcaccatg	ttagtcaggc	tggctctgaa	ctcttgacct	caagtgatec	acccatctca	19680
gcctcccaaa	gtgctgggat	tacaggcagg	agccactgtg	cccagcttgg	tttaattttt	19740
agtaacaaa	gttgtgagtt	gtttttcagc	ggcctgggac	cccagggtta	aagttcgcat	19800
accttgagca	tgcccagggt	aacaaagcat	gccaccatag	ggaggacctt	agtgtctcaa	19860
ccaaggagca	agaactgaat	taagaagcag	atggggggga	ggagccaaga	tggccaaata	19920
ggaacagctc	cagtctacag	ctcccagcgt	gagtgatgca	gaagatgggt	gatttctgca	19980
tttccatctg	aggtaccagg	ttcatctcac	tagggagtgc	cagacagtgg	gcgcaggtca	20040
gtgggtgcgt	gcaccgtgcg	cgagccgaag	cagggcgagc	cattgcctca	ctcggaagt	20100
gcaaggggtc	agggagttcc	ctttcctagt	caaagaaagg	ggtgacagac	ggcacctgga	20160
aaatcgggtc	actcccaccc	gaatactgcg	cttttccgac	gggcttaaaa	aatgccgcac	20220
caggagatta	tatcctgcac	ctggctcgga	gggtcctacg	cccacagagt	ctcgcgatt	20280
gctagcacag	cagtctgaga	tcaaactgca	aggcggcagc	aacgctgggg	gaggggcgc	20340
tgccattgcc	caggcttgct	taggtaaaca	aagcagccgg	gaagctcgaa	ctgggtggag	20400
cccaccacag	ctcaaggagg	cctgcctgcc	tctgtaggct	ccacctctgg	gggcagggca	20460
cagacaaaca	aaaagacagc	agtaacctct	gcagacttaa	gtgtccctgt	ctgacagcta	20520
tgaagagagc	agtgtttctc	ccagcacgca	gctggagatc	tgagaacggg	cagactgcct	20580
cctcaagtgg	gtccctgacc	cctgaccccc	gagcagccta	actgggaggc	accccccagc	20640
aggggcacac	tgacctcaca	tggccgggta	ctccaacaga	cctgcagtcg	agggtcctgt	20700
ctgttagaag	gaaaactaac	aaacagaaa	gacattccaca	ccaaaaaccc	atctgtacat	20760
caggtcatc	aaagaccaaa	agtagacaaa	accacaaaaga	tggggaaaaa	acagagcaga	20820
aaaactggaa	actctaaaaa	gcagagcacc	tctcctcctc	caaaggaaacg	cagttcctca	20880
ccagcaacgg	aacaaagctg	gacggagaat	gactttgagg	agctgagaga	agaaggcttc	20940
agacgatcaa	attactccga	gctacgggag	gacattcaaa	ccaaaggcaa	agaagttgaa	21000
aactctgaaa	aaagttaga	agaatgtata	actagaataa	ccaatacaga	gaagtgttta	21060
aaggagctga	tggagctgaa	aaccaaggct	cgagaactac	gtgaagaatg	cagaagcctc	21120

aggagccgat gcgatcaact ggaagaaagg ctatcagcga tggagagatga agtgaatgaa 21180
atgaagcagag aaggggaagtt tagagaaaaa agaataaaaa gaaacaagca aagcctccaa 21240
gaaatatggg actatgtgaa aagaccaaact ctacatctga ttggtgtcac tctgaaagtg 21300
acagggagaa tggaaaccaag ttggaaaaa ctctgcagga tatcatccag gagaacttcc 21360
ccaatctagc aaggcagccc aacattcaga ttcaggaaat acagagaccg ccacaaagat 21420
actcctcgag aagagcaact ccaagacaca taattgtcag attcgccaaa gtagaaatga 21480
aggaaaaaat gttaagggca gccagagaga aagggtcggt taccacaaa gggagccca 21540
tcagactaac agcggatctc tcagcagaaa ctctataagc cagaagagag tgggggccaa 21600
tattcaacat tcttaaagaa ttttcaaccc agaatttcat atccagccaa actaagcttt 21660
gtaagtgaag gtgaaataaa atactttaca gacaagcaaa tgctgagaga ttttgtcacc 21720
accaggcctg ccctaaaaga gctcctgaag gaagcgctaa acatggaaag gaacaactga 21780
taccagctgc tgcaaaatca tgccaaaatg tacagactat cgagactagg aagaaactgc 21840
atgaactaac gagcaaaata accagctaac atcataacga caggatcaaa ttcacacata 21900
acaatattaa ctttaaatgt aaatggacta aatgctccaa ttaaaagaca cagactggca 21960
aattggataa agtgtcaaga cccatcagtg tgctgtattc aggaaaccca tctcacgtgc 22020
agagacacac ataggctcaa aataaaagga tggaggaaga tctaccaagc caatggaaaa 22080
caaaaaaagg caggggttgc aatcctagtc tctgataaaa cagactttta accaacaag 22140
atcaaaagag acaagaagg ccattacata atggtaaagg gatcaattca acaagaagag 22200
ctaattatcc taaatatata tgcacccaat acaggagcac ccagattcat aaagcaagtc 22260
ctgagtgacc tacaaagaga cttagactcc cacacattaa taatgggaga ctttaataacc 22320
ccactgtcaa cattagacag atcaacgaga cagaaagtca acaaggatat ccaggcattg 22380
aactcagctc tgcaccaagc ggacctaata gacatctaca gaactctcca ccccaaatca 22440
acagaatata catttttttc agcaccacac cacacctatt ccaaaattga ccacatactt 22500
ggaggtaaag ctctcctcag caaatgtaaa agaacagaaa ttataacaat ctctcagacc 22560
acagtgaat caaactagaa ctcaggatta agaatctcac tcaaagccgc tcaactacat 22620
ggaaactgaa caacctgtc ctgaatgact actgggtaca tgacgaaatg aaggcagaaa 22680
taaagatgtt ctttgaaacc aacgagaaca aagacacaac ataccagaat ctctgggatg 22740
cattcaaagc agtgtgtaca gggaaattta tagcactaaa tgcccacaag agaaagcagg 22800
aaagatccaa aattgacacc ctaacatcac aattaaaaga actagaaaag caagagcaaa 22860
cacattcaaa agctagcaga aggcaagaaa taactaaaat cagagcagaa ctgaaggaaa 22920
tagacacaaa aaacgcttca aaaaattaat gaactccagga gctggctttt tgaaaggatc 22980
aacaaaattg atagaccgct agcaagacta ataaagaaaa aaagagagaa gaatcaata 23040
gatgcaataa aaaatgataa aggggatacc accaccgatc ccacagaaat acagactacc 23100
atcagagaat actacaaaca ccactatgca aataaactag aaaatctaga agaaatggat 23160
aaattcctca acacatacac tctcccaaga ctaaacagaa aagaagttga atctctgaat 23220
agaccaataa caggatctga aattgtggca ataatacaata gcttaccac caaaaggagt 23280
ccaggaccag atggattcac agccgaattc taccagaggt acaaggagga actggtacca 23340
ttccttctga aactattcca atcaatagaa aaacagggaa tcctccctaa ctcatthtt 23400
gaggccagca tcatcctgat accaaagcca ggcagagaca caaccaaaaa agagaattht 23460
agaccaatat ccttcatgaa cattgatgca aaaactcctca ataaaatact ggcaaaccga 23520
atccagcagc acatcaaaaa gcttatccac catgatcaag tgggcttcat tctgggatg 23580
caaggctggg tcaatatatg caaatcaata aatgtaatcc agcatataaa cagaacccaa 23640
gacaaagccc atatgattat ctcaatagaa gcagaaaagg cctttgacaa aattcaacaa 23700
cccttcatgc taaaaactct caataaatta ggtattgatg ggacgtatct caaaataata 23760
agagctatct atgacaaacc catagccaat atcatactga atgggcaaaa actggaagca 23820
ttccctttga aaactggcac aagacagggg tgccctctct caccactcct attcaacata 23880
gtgttggaag ttctggccag ggcaattagg caggagaagg aaataaaggg tattcaatta 23940
ggaaaagagg aagtcaaatt gtcctgttt gcagacgaca tgattgtata tctagaaaac 24000
cccattgtct cagcccaaaa tctccttaag ctgataagca acttcagcga agtctcagga 24060
tacaaaatca atgtacaaaa atcacaagca ttcttataca ccaacaacag acaaacagag 24120
agccaatca tgagtgaact ccattcaca attgcttcaa agagaataaa atacctaggg 24180
atccaactta caagggatgt gaaggacctc ttcaaggaga actacaaacc actgctcaag 24240
gaaataaaag aggatacaaa caaatggaag aacattccat gctcatgggt aggaagaatc 24300
aatatgtga aaatggccat actgcccaag gtaatttaca gattcaatgc catcccaatc 24360
aagctactaa tgactttctt cacagaattg gaaaaaacta ctttaaagtt catatggaa 24420
caaaaaagag cccgcattgc caagtcaatc ctaagccaaa agaacaaagc tacaggcatc 24480
acactacctg acttcaaact atactacaag gctacagtaa ccaaacagc atgggtactg 24540
taccaaaaca gagatataga tcaatggaac agaacagagc cctcagaaat aacaccgctt 24600
acctacaact atctgatctt tgacaaaact gagaaaaaca agcaatgggg gaaagattcc 24660
ctatttaata aatgggtgtg ggaaaactgg ctagccatat gtagaaagct gaaacttgat 24720
cccttcttta caccttatac aaaaatcaat tcaagatgga ttaaagactt aaacgttaga 24780
cctaaaacca taaaaacct agaagaaaac ctaggcatta ccattcagg cataggcatg 24840
ggcaaggact tcatgtctaa aacacccaaa gcaatggcaa ccaagccaa aattgacaaa 24900

tggagctctaa	ttaaactaaa	gagcttctgc	acagcaaaag	aaactaccat	cagagcaacc	24960
ctacaaaatgg	gagaaaattt	tcgcaaccta	ctcatctgac	aaagggctaa	tatccagaat	25020
ctacaatgaa	ctcaaaacaa	tttacaagaa	aaaaaacaaa	caaccccatc	aaaaagtggg	25080
cgacatgaac	agacacttct	caaaagaaga	catttatgca	gccaaaaaac	acatgaaaaa	25140
atgctcacca	tcactggcca	tcagagaaat	gcaaatcaaa	accacaatga	gataccatct	25200
cacaccagtt	agaatggcaa	tcattaaaaa	gtcaggaaac	aacagggtgct	ggagaggatg	25260
tggagaaaata	ggaacacttt	tacactgttg	gtgggactgt	aaactagttc	aaccattgtg	25320
gaagtcagtg	tggcgattcc	tcagggtact	agaactagaa	ataccatttg	accagccat	25380
cccattactg	ggtatatacc	caaaggacta	taaatcatgc	tgctataaag	acacatgcac	25440
acgtatgttt	attgcagcat	tattcacaac	agcaaaagct	tggaaaccaac	ccaaatgtcc	25500
aacaatgata	gactggatta	agaaaatgtg	gcacatatac	accatggaat	actatgcagc	25560
cataaaaaaat	gatgagttca	cgtcctttgt	agggacatgg	atgaagttgg	aatcatcat	25620
tctcagtaaa	ctattgcaag	aacaaaaaac	caaacaccgc	atattctcac	tcataggtgg	25680
gaattgaata	atgagaacac	atggacacag	gaaggggaac	atcacactct	ggggactggt	25740
gtgggggtggg	gggaggggag	agggatagca	ctggggagata	tacctaatgc	tagatgacga	25800
gttagtggggt	gcagcgcaac	agcatggcac	atgtatacat	atgtaactaa	cctgcacatt	25860
gtgcacatgt	accctaaaaa	ttaaagtata	ataataataa	atataaaaaa	aaaaaagcag	25920
ttggagctct	ggtgtcacc	ccatggcagt	tccagctaac	atcacacctc	gttagcctat	25980
gcttctaaaa	tttgaccag	tgcccgactg	agagacacag	tgccttggga	actgtccctg	26040
ctggttccct	gttacaagta	acaaaatccc	attgctaaat	cctccttggg	tatggctact	26100
gggtgatcat	tgggtgatac	caatattgag	gcaggagaat	agggctctga	cacagggaac	26160
ctaagcctgt	ttcacaccga	cttcctagaa	ctaaattgaa	ggcagaacct	tacctttcca	26220
tgcctaagta	acaaaaggac	cacaggctac	tccctttgca	acccctcac	cttttctgct	26280
aggcagatgg	gaaattggct	gtccacaacc	aatcagattg	attgaaggtc	cagtcctttgt	26340
ttgccacttt	gtaacttcac	tccagcctct	gaatggctgc	tgtccacaac	caatcagact	26400
gattgctggc	cacatcttcg	tttcaataga	agtataactt	tgtaatctca	ccctagtctc	26460
tgattgggtg	aacaggagtg	taacctttgt	aacttcactt	cagcctctgg	ttggctgctt	26520
ctgtgaacca	atcagatgta	ttgcaggcca	ccacttcatt	tacatgaggt	gagcatgatg	26580
tggccaatgg	gaaacttcta	gaggatattt	ggacccaaga	agattccgta	tctgggccct	26640
tgagctgctg	ctcgggtccac	tcccaaacca	tggagtgtac	tttcgttttc	gataaatccc	26700
catttttcatt	cttttggtgc	ttcattcttt	ctttgccttg	ctgggcattt	tgtccaattc	26760
tttgtttcaat	aggccaagaa	cctggacaac	ctgcagtcac	aaccctccac	cagtgacaat	26820
atagttttaga	tttgtgtccc	cacccaatc	tcatggtgaa	ttgtaatcct	cagcattgga	26880
ggagctccct	ggtgggaggt	gactggatca	tggggtagga	ctttcccctt	gctgttctcg	26940
tgatagcgag	tgagatctca	caagatctgg	tcatttaa	gtgtgcagcc	cctccccctc	27000
ctctctctct	tctcactct	ctggccatgg	aagacgtgcc	agcttccct	ttgccttctg	27060
ccatgattta	aagtttctg	aggcctccct	agccatgctt	cctgtacagc	ctgtggaact	27120
gttagccaat	taaacctctt	ttcttataaa	ttaccagtt	tcaggtgttt	cttcatagca	27180
ctgcagaatg	gacgaataca	ctcatggaga	gacaggatcc	acctgctgtg	tggtaacatc	27240
ctgaccacgc	acatctgggg	cccatcaagt	ctccatgggg	tgggtgggagg	agcattaaca	27300
acaaaggcag	cacctggcac	cttctgcggg	cgatgggaag	actgagggca	gaaaaagcaa	27360
acatgctcag	cactgtgctc	agcccagggc	gactctgaga	caagagaggg	gccagagccg	27420
gatgcagctg	ggaggtggca	gccttaccag	aggtttgagg	agtacatggg	aaagtgcaca	27480
gagcccgcc	caggatggca	gctgtgctct	cattttcttg	cagcctttag	gggctacctg	27540
gctgggggtg	tggccctgct	gaagagaacc	tgcacctagc	aggcatgggg	gcaagagcac	27600
ctttcaaagg	tgaacaaatg	tgttccaatt	tgcagcagca	aagctgccag	aggtcccagg	27660
aagcccaggt	tcattctcatt	tacctagcca	tctctggcag	cattggtatt	tgagagcgtg	27720
tatgcgggca	gaagagagga	aaaagacctg	caccagaaca	cctttccaga	acacccttct	27780
cccttgaaca	cctgagtgcc	tagagccag	ccccagctcc	cagcaagccc	cctccccaaa	27840
accactatag	ccactgggcc	tccctttggc	aaggcctgag	ggcccaaatg	tggccaccta	27900
gcctctgggg	acttccgctc	tttggagcta	gaaaaacagt	agctgaatgt	gcctggctgc	27960
agcagggcc	cgccgactca	cctatagaaa	ggccctgcgc	tggactaagc	ctccagcct	28020
aggaaacctg	gctctggcct	cccccgagg	catgtgatgt	ttggctccag	aggccttctc	28080
ctctgggctt	ttccatgcct	gtgaactggg	ccccattcat	ttctctgtgg	tttcatggga	28140
acgtccaatg	cattcaggag	gttgacgtgc	accagggagg	agaggggtca	gcgagaggcc	28200
tgagctgtga	ctggtgggcc	accagaggc	cacggcaccc	tctgctggag	actggcagca	28260
gggtgcatgg	ccagctgtgg	gogaggggct	atcagtcaag	cagctacact	tcctcccggg	28320

gcccacaggc	tccaagcctg	cagtaaggag	ctgcctaagt	ccttgaaaat	ttggtgttca	28740
gaagaaatga	aagtgaacct	ggctgggagc	aattcttttg	attttgtttc	aagacagggg	28800
ctcactcgg	tgttcaggct	ggagtcgag	catgcgatca	tgggtcactg	cagcctcaac	28860
ctcctgggct	caaggagatc	ctcctgcctc	agcctcctaa	gtagctggga	caacaggcac	28920
attccaccac	accaggctga	cttttttttt	tttttttttt	ttttttgtag	agatgggatc	28980
tcactttgtt	gccaatgctg	gtctcaagct	cctgggctta	agcaatcctc	ccgccttgaa	29040
ctcccaaagt	gctgggatga	tgggatgata	caccactccc	tgcatgcaat	acttaccaaa	29100
gttccacgtt	agcagttttc	agcaaaagct	aattgaccaa	gctctgtgag	tggcctcatt	29160
ccattagcag	gagcctccca	cagaatgtga	cagaatgggtc	ctgggtggctg	agggtagaag	29220
gggctgcttc	tcttaagtct	ttgaagatga	atgcagttca	gctttggcca	acagccatgc	29280
ccttctgccc	aggcccagat	caacttttaa	tcatttccaa	agccagtctg	actgtcctgg	29340
gaaaggaagg	gttgggggtg	atttctttatc	aattttggcag	gtacattgga	tctgtgagg	29400
agagtatgag	actgtacag	gggtccctgt	gctagcccca	aatgagagcc	ctgactccca	29460
cctaccagc	ccaccgccc	cgcactgctc	agctcagttc	tccgttccgg	ggatggagtg	29520
cttgggcttg	cctgcacctt	tctgtcccca	aactccactg	gggacccacc	ttctagtcc	29580
cccagggtgc	catcaccaga	gccaggggct	agccccacct	ttgtcactc	ctgctcggag	29640
cccacctctt	ctctctgccc	ccatcgctac	ctgcagcatc	agaaggactt	gagggcacca	29700
aacagccctt	gcagctgtcc	tcaaacatca	tggccaaggc	tgccgctggg	aagtggactc	29760
tctgcggtgc	cagctcccta	ctcaactgcc	ttgacttttg	tctgggtccc	tgcttgatgt	29820
ggcccaactg	gctggggccag	agccccacag	gcgctgtccc	gacccccagc	ccccatagag	29880
gagggagagg	ctgagacggc	aagggaagca	gagactcagc	cacaccaagg	gccctggcaa	29940
ggtgggcctc	tcttccaaag	cctcaccagg	cttcacgttc	aaggtcacca	agagtgcact	30000
tgttctctgt	cgagggcaga	ggtgactccg	gggactgttc	tgggggtccag	ggagggcagg	30060
cagcggagtt	gccaggggaag	cagcttgctt	gaggtctgtg	gtcttggcag	gggcttccgc	30120
agcagccca	ccctctccct	ttccctctcc	tctgtctctt	gtcctcgtgt	ttactgaaga	30180
ccatgagaag	ggatgtggag	agccctgtca	ggaactgaga	gcaggagcct	ggctcagccc	30240
tgagaggccc	ccagatattc	agttcctaaa	cccatagagg	gtggggcatg	ggcacagagg	30300
agtaaccagg	ggccacctca	cacagccctg	ctctttcacc	ctgcccgcct	ggtggcctcc	30360
ttagcctgca	gcctcagtg	tgcccgatct	ggggccatgc	tgctcctgct	tgggcacact	30420
gcaaaatgca	gcttaagggtc	ggcctggaag	ctccaggtgt	ccttcttccc	ctaggccctac	30480
agctgggctg	gaggggggaag	gggcaccagg	aaacagcctg	gatgctcctg	ccagggagga	30540
ttgtccgact	ccatggggag	aaagtccgtg	cctggcacat	ggtaactctt	gtggagcgag	30600
agggcaaaag	tatgcatgat	tgtgtgcctc	tgaagcattt	ctgtgctgat	ggcctgaccg	30660
aaggcagatg	acaaatcatg	cagatatttc	tgcagcagga	atggctgcat	tctcctggct	30720
cgctgcccag	ggagctcaga	ggtgcccttg	cccggaatc	cgatggcaga	gagttaccag	30780
aaggtctgcg	gtgctcctgt	tctcggccc	cggtgagagg	tgacagcgtg	ctggcagctc	30840
tcacagcccc	tcgcttgctc	tcggcacctc	ctctgcttgg	tctcccactt	tggcgctcact	30900
tgaggagccc	ttcggcccac	cgctgcaactg	tgggagcccc	tttctgggct	ggccaaggcc	30960
ggagccaact	ccctcagctt	gcaggggaggt	gtggaggggag	aggcgcgagc	gggaaccagg	31020
gctgcgcgcg	gagcttgccg	gccagctgga	gttccgggtg	ggcgtgggct	tggcagggcc	31080
cgcactctga	gcaggcgggc	ggccctgcg	gccccgggca	atgaggggct	tagcacccgg	31140
gccagcggct	gcagaggggt	tactgggtcc	cccgacagt	ccagaccacc	ggcgctgcgc	31200
tcgatttctc	acgggcccct	agctgccttc	ccgcggggca	gggctcggga	cctgcagccc	31260
gcattgcctg	agcctccac	ccccctcatg	ggctcctgtg	cggcccgagc	ctccccgatg	31320
agcggccacc	cctgtctccat	ggcgcccagt	cccatcaacc	acccaagggc	tgaggcgtgc	31380
gggcgcacgg	ggcgggactg	gcaggcagct	ccacctgcag	ccccgggtgcg	gaatccactg	31440
agtgaagcca	gctgggctcc	tgagtctggt	gggggcgtgg	agaatcttta	tgtctagctc	31500
agggattgtg	aatacaccaa	tcggcactct	gtatctagct	caaggtttgt	aaacacagca	31560
atcagcacc	tgtgtctagc	tcagggtttg	tgaatgcacc	agtcgacact	ctgtatctag	31620
ctgctctggt	ggggccttg	agaaccttta	tgtctagctc	agggatgtga	aatacaccaa	31680
tcggcactct	gtatctagct	caaggtttgt	aaacacagca	atcagcacc	tgtgtctagc	31740
tcagggtttg	tgaatgcacc	gatcgacact	ctgtatctag	ctgctctggt	gccagatttg	31800
tctcgtggag	agaggcatgg	gcacctgtgg	tctccccgc	tctggcctc	cccttgggtg	31860
cccttatgca	gaaagggtcc	cggccccagg	cctgtctggc	tttggggact	gttttaaaag	31920
ggacatgaag	aaagaagaag	ccagagaatg	gtccttggcc	actctggatg	gagtgtccgc	31980
tgagcagtag	gaagagaact	gtccctggct	tgtctccttc	cctgagtgac	tgttgattca	32040</

gcctcttggtc	actctcacct	gctgcctcag	cgaaggtag	cggtagggc	ctccctgaag	32520
ctccctccag	ccagacagg	gtgggccagg	gctgagggc	aagggccgc	tccaagcagt	32580
gaagccctcc	agggtggaag	ggcaggtggc	cccctctgtg	tcccgttccc	ctaagtcocg	32640
gcgagccctc	cccttcctcc	tgcggtgccc	tctgcctca	tctatgtgcc	ctggtgggct	32700
ccccagcac	tgcagcctcc	cgggtggggt	ttcaggaccc	ccagggcctc	ccagctcact	32760
cagaccccca	cccccttctc	gtagctctgc	tctctggcac	caccttccct	ctctgtggga	32820
caaccacagt	ggagagaggc	ggggctctct	gccgtgccct	ctattgcagg	gtgtctggcc	32880
tcttggggtc	cttttgagaa	cttgatgaaa	gcaatgagtt	tacaccaag	aaattctctg	32940
gcaccgtttg	caccaacaac	atgccccaaa	ggtggagcca	ggccccagg	ttgcattgtg	33000
taagtcttgg	gagctctcag	gatgcacag	ggacacgtgg	cctctgactc	gctcagctct	33060
gccctgaccc	agggcgttca	tcttgagca	ggcctccgtt	actgactggc	gagcagaggc	33120
ttccagaggc	tgagggagg	gcctggggtc	ctcctgcagg	gaccaagacg	gagctgcgcc	33180
tcaacatcag	gccctgccgt	ccttgtctcc	tcccagccgg	gctctgtaca	ggtcatcac	33240
gtcttcagcc	tgttgagg	ggctctcg	gcagccatgg	ccctctagta	tagcgctgtc	33300
ctgaaggcc	caggcaccca	gggccactctg	ggccccgg	gggaggagga	ctgaggtctat	33360
ctggccctgc	tggcttttag	aaataggaac	tgtgtatacc	aaggggaatt	tttaattctg	33420
tttttaaaat	gtttaaat	ttctaactta	aatttaagt	tttaagttt	taaat	33480
tttaat	ttttagaac	agggctctgc	tctgtcactc	aggctcagg	tatggtggca	33540
ccatcgagc	tcaagtagct	tcaaactcct	gacctcatat	agtcctcctg	cctcagcctc	33600
ccgagtagct	ggggctgcag	gcctgtgcc	ccatgccag	ctgtttttgg	gtttttgctt	33660
tggaaaaatg	ggatttcgct	ttgttgccc	ggctggtctc	aaattcctca	tctcaagcaa	33720
tcttcttgtc	ttggcctctc	aaagtgtctg	gattatagat	gtgagccact	gtgcctggcc	33780
tgtttttatt	tttattttgt	gatttttatt	tatggttgc	tctcagtttt	taagcaact	33840
cgaaagaga	cgggtggggt	agaaggaagg	ctgagcctg	gccagcaatg	aatgagcatc	33900
ccctgagtg	gccaaccccc	ctttccccc	ctgccctcct	ctgcccaaga	aatgagggct	33960
tttcagtaaa	tccatgtcag	ggagcaaaagt	caagtgtgga	gtgccatctg	gtgtgtgggg	34020
cgctctggg	aagcctgggc	agcggaaatgc	ccccttgcac	ccagcgcaaa	ggaccagct	34080
taggtccaa	cccttgctgc	tgagccgatg	tcaccacca	gaaccttcc	gtcagttcca	34140
gcacaattca	gagctggctg	cctggcagat	tgatgctgga	gtctcattct	gcctgattaa	34200
aaatggaat	agtatgcagc	actgagagcg	ccccatcac	cctgacacat	gtgactattg	34260
ccaacctctc	ccccacttcc	tctctgcacc	agctccgcag	gacctggtag	gggtcagggt	34320
tctgtgaca	cccactctc	cgagttcctc	aagcagcact	ctgtgaggtc	ctgtgccag	34380
ctctggtgtg	agtgggtacc	ctggcagcgc	caagggagcc	tggacagagg	agccggcctg	34440
ggcctggggg	aggggaggag	ggccctccag	tgccttccaa	accaggagg	gaaaccggct	34500
gctggtgaca	cagcctggcc	ccgttgacca	cccagtgctc	caagcaccca	cagatcccac	34560
ctgcctcggt	cccgagcaga	gctggccggc	cactgggcag	tcccttcccc	agccagcctg	34620
acccagctct	gcactccttc	cccctccgtg	ggggaagctc	tgtggcttgg	agtcocccag	34680
ggctgccaga	aactaggatg	aaagccatgg	tgagcacggc	ctctgttccc	ccgcacatt	34740
tctgtggggtg	tccggattaa	caagctcatt	tgatctgggt	acagtgaa	tcttccaag	34800
aaacactcaa	tagggtcctt	gtcagagtgc	ctcgcagcga	cagtgcattg	gtatggctgc	34860
ctttgttctg	ccaccgtcag	acggggctgg	ctgtgggagg	cgaccaaaga	catccgcac	34920
ctgccctggg	agcctttccc	tctccagg	ctcagccacc	tcaggcgcc	ttcagctgtg	34980
gtgtcctgcc	acccccaa	tgtcccagag	gccacggtca	ccccatctgt	tctgtcccc	35040
agaaacttct	cctggagcca	agtatctgca	gggacagaca	ggcgagcgtc	tgggggtttg	35100
gtgttgggg	ggagaaggct	gtggggtgct	gccccagccc	aggcagcctg	actgtgagag	35160
ccccaaacag	gagacatccc	agccccctcc	ctccctcc	acgctgtggc	agtgggtgct	35220
gtgatgtgg	ggcacgttct	tggcttgtgc	atttctcgga	tgaactgc	ctgttgccag	35280
tagaaagatg	ctcacatgtc	tttggctcaa	gatcgacact	gcctttggct	cagggttggga	35340
catcaactat	tgctacagag	cagtaatggt	taaaaataag	at	ttattaaa	35400
at	gtgtggct	gggagcagtg	ggtcacacct	gtaatcccaa	cactttgggg	35460
ggtggatcac	ttgaggtcag	gagtttgaga	ccagcctgac	cagcatggtg	aaactccatc	35520
tctactaaaa	ataataaaaa	ttagccgagt	gtggtggtgg	gtgcctgtgg	tcccagctac	35580
tcgggaggct	gaggcaggag	aatcacttga	actcggaag	cggagcttgc	agtaaat	35640
gattggggca	ctgcactcta	gcactgggcaa	cagactgaga	ctctatgtct	aaaaaaaa	35700
aaaaaaaaatt	gtaattgttc	aaatacagtt	tagactagga	ttgacatgta	aaattttgt	35760
gagaggataa	tacattttgt	tttctccatt	gtatgaaagc	at	aatcaagtga	35820
catcttttac	aagggaaaaa	gtcacttgtt	ctttaa	cagttttttt	tcttagttct	35880

ggaatctcttg	aacctgggcy	gggggaggag	tggggggcag	aggttgag	gagcctagat	36300
ggcactgctt	cactccagcc	tgggcaaaa	agcgaaactc	cttctcaa	acacacacac	36360
acacacacac	acacacacac	acacacaccc	tttctctgtt	gctcaggcta	gagtgaatg	36420
atgtgatcat	agctcactgc	agcctcgacc	aagccgactc	aagtggactt	cctgcctcag	36480
cctccctggc	agctgggact	acagggtgcat	gcacaacca	cacacccagc	taatgtaat	36540
tttttgga	caagggtttt	ccatgttgtc	caggctggtc	tcaagcta	gggctcaagg	36600
gatccttcag	ccttgtcctt	caaagtgtat	aggattatag	gcatgagcca	ctgtgtctgg	36660
ccttctctta	aaaaatttga	aaactttggcc	aagcttggtg	gctcatgcct	gtaatctcag	36720
cactttggga	ggctgatgtg	ggcgagatcat	ttgatagcag	gagttcgaga	ccagctcgtg	36780
caactgggtg	aaatcccgtc	tctgtataaa	atactgaag	tagccagggtg	tgggtgggg	36840
cacctgta	cccagctact	cgggaggctg	aggcaggaca	atacttgaa	cctcagggtg	36900
aggttgcggt	gagccaacat	tgagccactg	gattccagcc	tgggtgacag	atcgagacgc	36960
ttatctcaa	taaaaaaaa	taaaattaaa	atttgaacc	aggggacca	gttctgttga	37020
agacctggaa	attccagtag	gctgaagatc	agtgaacca	ccgtggtcgg	ccctgttgag	37080
gtgctgctga	gcacccactc	atctgtgggt	gctgcggatt	tactacactc	agataaagcc	37140
agtgtttctg	gagttcctcc	aggggaaact	ggtagagttc	aaagcccagc	caaagaccct	37200
aagaaatcat	aaaggaaca	tacgcttttc	tggctgttac	tgttctccag	cgccttcttg	37260
cctctggatg	gaaggacagc	tcactgtctta	gtatttcaca	agctcttgct	tcactcccca	37320
actcatccac	tgttgagatg	gtcaccgaag	ccaatctgtc	ctggatcaca	gcgaccggt	37380
aaccaacag	ttcacagctt	tttgcatgtc	cctatctgaa	catccaaaga	ccctaataag	37440
aatttgtggac	tggactgagt	actccttacg	tggacccttt	tagggaccac	gaagcccccg	37500
tttctattgg	gcatccag	tgggtatctc	ccttaccctt	gctaaaagaa	ggcgagctcc	37560
tcttttccct	tgatgggtgag	ccagagagca	ctccatctga	tgggcaggcc	ttaatgagtc	37620
aggaaagtctt	tcgggcaggt	gtgactttgc	ctggatgtag	taataacct	actgattcct	37680
agttagaaa	gacagcctta	gtgactactg	ctaccaaga	cacagacctg	tgctcctgag	37740
ggctgcctca	tggatcaaag	caagctaaat	ggcggtctgt	atggctgccc	agcaagctcc	37800
tagactcctt	agctggagta	gttttattat	tattattatt	attattatta	ttattattat	37860
tattattatt	atcgagacag	agtctcgctt	agtcaccag	gctggagtac	agtgtgcaa	37920
tctcggtctca	ctgccacctc	tgctcctgt	gttcgagcga	ttctgtctgc	tcagcctccc	37980
atgtagctgg	gattacaggc	gtgtaccacc	ataaataccc	tgctaatttt	tgtattttta	38040
gtagagatgg	ggtttcacta	tattggcgag	gctggtctgg	gactcctggc	ctcaagtgat	38100
cgcgccacct	cagcctccca	aagtgtctgg	attacaggcg	tgagccacca	tgccagcct	38160
ggagtagttt	tagataaccg	catagctgtg	cactgtttgc	ttgtgaaca	aggggagtg	38220
gtggaatcgc	cagctcgtct	tgctgttccc	acagtaatgc	atcaactgaa	gtggacatgt	38280
atgttgaat	gacaagacag	caagcctcct	ggtgccctag	actgcttttc	aggatgatgt	38340
ggggtttttt	ggttggtgtt	tgtttttgtt	ttggcagggt	ctcactctgc	tgcccaggct	38400
ggagtagagt	gacacaacct	cagcttactg	cagcctcgac	ctcctgggtt	caagcaatcc	38460
ctccacctca	gcctcccaag	tagctgggac	tacaggcata	tgccaccatg	cccagcta	38520
ttttacattt	tttggtagag	acagtgtctt	gccatgttgt	ccaggctggt	ctcaaagtcc	38580
tgggttccag	caatcaacc	acctcgccct	cctataaaga	cgtgagccac	tgaggaggc	38640
tgaggcagga	gaattgctga	catatccagt	ttcttagaaa	aaaacattt	aatagagact	38700
tacaaaacaga	agctatgtct	gggtctcagg	tggcagtgag	acaagatggt	agctttaccc	38760
cccaagacca	agggccacag	gggagggggt	acctcaaagg	gatgtgtagg	acaattgaa	38820
tatgataaca	tcaaagtgtg	tttgtcctaa	gggcaggatt	tatgggaagt	aggtgctccc	38880
gcactagaaa	cacgacatga	atgggaatc	tcagaggccc	tccggaact	ggcatctac	38940
aacctggtag	atcaggcccc	aagatggaat	tgcttgaca	cccacaccac	ctgaaataat	39000
ctggagtagt	gttggcagct	gatgtgagac	tttgggtctt	gtcttcttag	cttaaaataa	39060
tttaaacaa	agacacaaca	gcaaaggaga	tgcagcatac	aataattttt	gcaaaagaaa	39120
aagaacatct	tgaaagtga	gtgcagaata	ggcagagaga	agaattcagg	gcaggctgct	39180
cataaagatg	agacagcaaa	agtggcact	agggaggctc	cctttatgga	aatcttacat	39240
gattattcat	gaggggttgg	gaagagggtg	tgctagtaag	catgttctgg	ccaaaagcta	39300
ttaaaagaaa	aggagtgtca	aaaaatttag	gccgtgctgg	gggtggaggc	tcacactgt	39360
aatcacagaa	ctttgggag	agaggcttaa	gccaggact	tcagaccag	cctgggcaac	39420
atggtgaaac	cccatctcta	ccaaaaatgc	aaaaattaaa	tgggcaagg	ggcacacacc	39480
tgtagtcccc	actactcggt	aggctgaggt	ggaagaatct	cttgggccca	ggaggttaag	39540
gctgcagtga	gccgtgattg	ccccactgca	ctccatctg	ggctacggag	caagactctg	39600
tctcaaaaa	caaagtcaat	ggttcccttt	ggtggggaag	gaagaagtgg	ggtttgaatg	39660
gggggcaggg</						

ctcagcattc	gaattgtaat	tgagctcatt	caagcaaagc	tatcttcagt	ggggactttt	40080
ctttctagag	agcatgcgca	ttttgatttt	acctatcctc	aaactgaccc	tttgctcatt	40140
ataatagtaa	aaagcgcacc	ccgggtggag	atthaagaag	ctaagagac	ctgcgacata	40200
cgagccagca	tgtacagcta	ctcacgcctg	taatcccagc	gctttgggag	gccgaggtgg	40260
gcagatcaact	tgaggtcagg	agttcgagac	cagcctggcc	gacattgtga	aaacccatct	40320
ccgctaaaac	tacaaaaatc	agccaggcgc	agtggcttac	gcctgtaatc	ccaacactgt	40380
ggaaggccaa	ggcaggtgga	tagcctgagg	tcaggagttc	gagaccagct	tggccaacat	40440
ggtgaaaccc	catctccgct	aaaaatacaa	aatgagtcag	gtgtggtagc	aggtgcctgt	40500
aatcccagct	actcgggagg	ctgaggtggg	agaatccctt	gaacctggga	ggcggagcag	40560
tgagcagaga	tctcaccagt	gcactccaac	ctgggcgaca	gagcgagatt	ccgtctctaa	40620
aacaagtaaa	taaacaaaaa	taaaaaataa	aaaatacaaa	aactagctgg	gcgtgctggc	40680
gggcgcctgt	aatcccagct	actcaagagg	ctgaggcagg	agaatcgctt	gaacctggga	40740
ggtggagggt	gcagtgaagt	gagatggcgc	cactgcactc	cagcctgggg	gacagagtgg	40800
gactccatct	caaaaaaata	aaaataaata	aataaattaa	ttaattaat	aataaaataa	40860
aatagaaaca	gggtcttgct	atgttgctca	ctatgtgggtg	aattttttca	ggtgctgagc	40920
aagactggag	accagacaca	caccaatgtc	acttgtagta	aacaaaggat	atttgtccac	40980
attcaaagtc	tatggtgaca	ccctggccac	atggggatgc	ttggccaccc	tgctcctac	41040
cttcatgcca	gagtcgcctg	tcataatgtc	tggttacagc	ccttcctctg	aggtccaggg	41100
atttcaaagc	agaagcagca	ggtcttcccc	ggctggagga	agagccaaag	cctccattcc	41160
tgggattctt	ggttgctgtt	acctggggca	aggggaggcc	caggctgtgg	cgtgtattct	41220
cagaggattg	gtcgtcttgg	tccttctgtt	tcctgggaag	gaagggtctg	tcctgtaggg	41280
ccccatctag	atcccttagc	accctctacc	acctgatgcc	cttggggata	ccaagctctg	41340
tgcagtcag	accatgttcc	agctcagtcg	ccaccttaca	ggcatgcgcc	accatgcctg	41400
gctaattttg	tatttttttag	tagagatggg	gattatccat	gttggttaagg	ctggtcttga	41460
actcccgacc	tcaggtgatc	cacctgtctt	ggcctcccaa	agtggccggg	cagggtgaa	41520
ttcggccctt	caccagctac	tgccaaccac	ggatgaatgg	cttctgcctg	cctcctgccc	41580
tcagatctt	accagggcat	ttcactggga	aatatggcaa	cagcccttgc	cactcagggg	41640
acagcatggc	aggggctggg	aacgaatgtt	gttgccaaac	gacaagaccc	agctggggcc	41700
agtggctcac	acttgtgatc	ccagtggctt	gagaggctga	ggcaggagga	tcacttgaag	41760
ccaggagtgt	gagagcagcc	tgggcaaac	agtgaagctc	tacaaaacaa	aacaaaaaaa	41820
attagccagg	catggtggct	ggtgccata	agcccagcta	ctggggaggc	tgaggctaag	41880
gctgagggag	tgagccatga	tcatggccacc	gcagtcacgc	ctggtgacaa	atgagacctt	41940
gcctcaaaaa	aaaaaaaaaa	aaaaaaaaaag	aggaaggtga	gcgcagtggc	tcattgtctgt	42000
aaatccagac	actttggggg	gctgaggtgg	aggttcgaga	ccagcctggg	caacatagca	42060
aaaccatgtc	tttacacaaa	ataaaaaatg	agtcagggtg	ggtggcacat	gccattggtg	42120
ccagctacgt	gagaggctga	ggtgggaaga	ttgcttgagc	ctgggaggtc	cgaagctgca	42180
gggagccgta	actcaggcat	cacactccaa	cctggctgac	agaatgggac	cctgtctcca	42240
aaacccaaaag	attccagctc	gaaaaataat	tgtgggggtg	cggcaaaagc	tcctgactgg	42300
ccttgacttt	agagtgaatc	aatgaattaa	ttaagggcct	gcctgttagt	gagtctcctc	42360
tgaattttag	cccagaaatt	tcctaactca	gcaagatgaa	gcaggaggta	gaaggaaacta	42420
agggggcaat	aagcaggagg	aaggaaatgc	cccatgaggg	tgacatcttc	cctgagagcc	42480
ccaggacgac	cagcagggaag	ccaggcgggg	ggcaggcagg	aggactccag	aaagctcggc	42540
ctgaggggag	gcccgtgggg	gtggtgggga	gtggtgcggg	gaaggcagag	gctgagcagc	42600
aggtgaggtc	ccctgggttt	tggggggcaa	gcctggggct	cggggcgagc	aagcatgagt	42660
ggagaagggg	ctgctgtggt	tgggctgggg	tggactcccc	acctgcgtcg	tccaaacatt	42720
agtgcgagtg	cacccacaca	aacacatata	caatcacaca	caacatgtga	gcaatgggca	42780
ggactggtcc	ggccccactc	agtgtgttca	ccattggccc	cacagctgcc	cacagcccta	42840
gagctctggg	cccagattcc	tgccagcccc	acctgtccag	gccaaagtaa	gatgatggag	42900
caaggggggt	ccagggcagc	aaagcccccc	acgtgcccct	ttcccacagg	gcccaggctc	42960
ctggcatcag	gaggctgaac	ccaggcccctg	gccagactg	tgtgcttcca	gcctccccct	43020
ctctcgacac	cagaacacag	cctggcccca	gcttctggga	aatatagaaa	aaaatgggtg	43080
aatgatccag	tgacagggtg	tcttgttcca	cacaagacac	agtgagcagg	ggttggggga	43140
ggggctcctg	gctgcgggag	gcacaccaca	ctaccccaaa	tggcatctgt	actcaatacc	43200
gcacccttcc	ctgggggaca	cctggtccca	acctgagctg	cctttctcag	gaccccgagc	43260
ccagcccggc	ccagcccagc	cacaccctgc	cactcccttc	agccagtgtg	gcttcagggtc	43320
aagaggctgg	gcagggtcaa	ggtggcaacg	aggggagaag	ccgggacaca	gttctccctg	43380
atttaaacc	gggcagcctg	gagtgcagct	catactccat	gccagaatt	cctgcctcgc	43440
actgtctctg	gtgccctcca	gacatgctgg	ggcctgcgat	gctgctgctg	ctgctgtcgc	43500
tgggcctgag	gctacagctc	tccttgggca	tcattcccagg	taatgaggct	ccccgagctg	43560
ccctacaca	acacacacac	agggcacccc	ccagcccagg	ctgacctgat	ctttgtcttc	43620
ccctggcca	gttgaggagg	agaacccgga	cttctggaac	cgcgaggcag	ccgaggccct	43680
gggtgccgcc	aagaagctgc	agcctgcaca	gacagccgcc	aagaacctca	tcattctcct	43740
gggcgatggt	gagtgaacca	ggccttccag	ccctgcagcc	ctcacagccc	cggcgcccgg	43800

acccctcagtg	gttcacaggag	agccctggggg	cccaagcctc	acacatttct	gttccttcag	43860
ggatgggggt	gtctacggtg	acagctgcc	ggatcctaaa	agggcagaag	aaggacaaac	43920
tggggcctga	gatacccttg	gccatggacc	gcttcccata	tgtggctctg	tccaaggtaa	43980
gtgctgggct	accttagagt	cctccaagca	cagaagggga	atcctggcta	tggagtgctg	44040
taggagggag	ggaccctaaa	cagctggggc	tccagtaagg	agttagaggc	agttggaatc	44100
ccagaggaca	gagatcaggg	tctgggtctc	cgtgtctgcc	ccagagaaga	gctcagagtg	44160
tctctgtccc	cagacataca	atgtagacaa	acatgtgcc	gacagtgga	ccacagccac	44220
ggctaccttg	tgcggggtca	agggcaactt	ccagaccatt	ggcttgatg	cagcggcccg	44280
ctttaaccag	tgcaacacga	cacgcggcaa	cgaggtcatc	tccgtgatga	atcggggcaa	44340
gaaagcaggt	gagctggggc	ccgctgctgg	gtcacggcca	ggtcacagac	gttggtcaca	44400
tatactgacc	tctgacaccc	ttagggaagt	cagtgggagt	ggtaaccacc	acacgagtgc	44460
agcacgcctc	gccagccggc	acctacgccc	acacggtgaa	ccgcaactgg	tactcggacg	44520
ccgacgtgcc	tgccctcgcc	cgccaggagg	ggtgccagga	catcgctacg	cagctcatct	44580
ccaacatgga	cattgacgtg	cgacccccag	gccaaagggc	ggggctgggc	agagagtagc	44640
agggaggggg	cactagctca	gacccaggca	accaaagcc	ttatctgggc	cagcagggtc	44700
tggaggtggg	gttggtgggc	tagaaggtgc	agcccaggct	ggggcattcc	cacagccttg	44760
gggagggggg	tcagggctg	tgcataggga	ggggcagcgg	ggccagccag	ggccccaat	44820
ccacctgccc	catcctctgt	tcccagggtg	tccagtggtg	agggcgaaag	tacatgtttc	44880
ccatgggaac	cccagaccct	gagtaccag	atgactacag	ccaaggtggg	accaggctgg	44940
acgggaagaa	tctggtgcag	gaatggctgg	cgaagcgcca	ggtgatgggg	gctggcgggt	45000
gcagggggca	cagcaggggg	agggcagagg	tgtggggctc	agggctgtgg	gctgaggcct	45060
ggctctctcc	ctccccacag	ggtgcccggt	atgtgtggaa	ccgcactgag	ctcatgcagg	45120
cttccttgga	ccgctctgtg	acctatctca	tgggtaatga	cccccttct	gccctggcat	45180
ccctcagatg	gcctcagatg	gcaccttctg	agcctgtgtg	cacatccgcc	agcacccgcc	45240
cacccccagc	ctgccagtca	ccacaggacc	ccttgtccca	caggtctctt	tgagcctgga	45300
gacatgaaat	acgagatcca	ccgagactcc	acactggacc	cctccctgat	ggagtagaca	45360
gaggctgccc	tgcgcctgca	gagcaggaa	ccccgcgct	tcttctctt	cgatggagggt	45420
gcgtggtggc	ccctggggag	tgggggttgg	gggttggagc	agggcaggct	cagcatctcc	45480
ccccctctggc	cttctctgcag	gtggctcgcat	cgaccatggt	catcatgaaa	gcagggctta	45540
ccgggcactg	actgagacga	tcatgttcga	cgacgccatt	gagagggcgg	gccagctcac	45600
cagcgaggag	gacacgtga	gcctcgtcac	tgccgaccac	tcccacgtct	tctctctcgg	45660
aggctacccc	ctgcgaggga	gctccatctt	cggtaggcct	ggggagagtg	gcaggtgctg	45720
ctgcagcaat	taagtgggtg	aaatctgagc	ctcagtctcc	tcctctgtca	aatgggagta	45780
atgctggcac	cagccttgta	gggtctctcg	aggactaagc	ccctgaccag	gcaaaacgtg	45840
gcggtgccta	gcacgtggga	gacactccac	agctgtgttc	agctcaacca	cagggacccc	45900
tctctctgca	gggtctggcc	ctggcaaggc	ccggacacag	aaggcctaca	cggctctctt	45960
atacggaaac	ggtcaggct	atgtgtctaa	ggacggcgcc	cggccggatg	ttaccgagag	46020
cgagagcgg	gagtgccgcg	gggtggcccc	ctgaggggga	ccagggtgcc	aaggatgggg	46080
ggctggcggg	aaggggtcac	ctctgtcttg	cctggaactg	aatgaaccct	cctaccggaa	46140
ctgaacccct	caaccaggga	gccccgagta	tcggcagcag	tcagcagtg	ccctggacga	46200
agagacccac	gcaggcgagg	acgtggcggt	gttcgcgcgc	ggcccgcagg	cgcacctgg	46260
tcacggcgtg	caggagcaga	ccttcatagc	gcacgtcatg	gccttcgcgc	cctgcctgga	46320
gccctacacc	gcctgcgacc	tgggcgtccc	cgccggcacc	accgacgcgc	cgcacccggg	46380
ggcgtccgtg	gtccccgctg	tgttctctct	gctggccggg	acctgtctgc	tgctggagac	46440
cgccactgct	ccctgagtgt	cccgctccct	gggtctctgc	ttccccatcc	cggagtctct	46500
ctgctcccca	cctcctgtcg	tcctgcctgg	cctccagccc	gagtcgtcat	ccccggagtc	46560
cctatacaga	ggtcctgcca	tggaaacctt	ccctccccgt	gcgtcttggg	gactgagccc	46620
atgacaccaa	acctgcccct	tggctgtctt	cggactccct	accccaacct	cagggactgc	46680
aggttgtgcc	ctgtggctgc	ctgcacccca	ggaaaggagg	gggctcaggc	catccagcca	46740
ccacctacag	ccagtggggt	accaggcagg	ctcccttctt	ggggaaaaga	agcaccacga	46800
ccccgcgcc	cgctgatctt	tgttccagtc	cttgaatcac	ctgtgggact	tgaggactcg	46860
ggatcttccg	gacgcctgga	gaaggggtgt	ttctgtccac	cctgtggccc	aaggaggtct	46920
ctgggggtggg	gataccagg	gggattttga	cacagcttct	ggctgcccc	cactaagcta	46980
attccacacc	cctgtacccc	cccagggggc	cctctgcctc	atggcaaagg	cttgcccca	47040
atctcaactt	ctcagacgtt	ccatacccc	acatgccaat	ttcagcacc	aactgagatc	47100
cgaggagctc	ctgggaagcc	ctgggtgcag	gacactggtc	gagagccaaa	ggtccctccc	47160
cagacatctg	gacactgggc</					

tgagtgcctg	tgggcacagt	gtctggaggg	gtggataacg	caggccagga	ggggctgctg	47640
aggagcagat	gattgagcag	gagacctaaa	cagagtgggg	cttgagcaag	gcagaacagc	47700
agtgccaaagg	ccctgggggca	gcgccagcag	gtgctctggg	aggccaaggg	ctggatcaga	47760
gggtgggtgg	gtagaggggt	aaatctgagg	gtcaagaggg	tgggtagtgt	tggggagtgt	47820
gaagtctgag	tagagggatg	tggttggagg	tctttaagga	gtgctgtgac	ccgccctggg	47880
tggaaaataa	gtattctggc	tgctgccaga	agaagggtct	tgtcttttgg	gtggatgggtg	47940
ggggtggtag	agggtagcag	ggagaggtga	gaactgggga	aggaactgac	tccaggtgtt	48000
tctgatctcc	gtccgaaagc	attcggggagc	acccatccca	acacagccat	gcttggtgag	48060
taccacacct	gccccaaaag	aacattgaaa	agaatttttt	ttatttgagg	cagagcctca	48120
ctctgttgcc	caggctggag	tgcaatgacc	ttgtcttggc	tacttgcaac	ctctgcctcc	48180
caggttcaag	ccattatcct	gcctcaccct	cccaagtagc	caggggtcaa	caagtgtgca	48240
ccaccatgcc	tggctagttt	ttgtattttt	agtagagacg	gggtttcacc	atattggcca	48300
ggcaggtctc	caactcctga	cctcaggtga	tccaccgcgc	ttggcctccc	aaagtttggg	48360
attacagggtg	tgagccacgt	gtctggccga	aaagaattaa	aggtgaaatc	agccacattt	48420
tccagcaaaag	tttacctat	tacaaaaaat	acaaaaatta	gccaagcctc	gtggcccatg	48480
cctgtggtcc	cagctactca	ggaggctgtg	gtgggaggat	cacctgaagt	gaggagtgtg	48540
agaccagccc	agccaacatg	gtgaaactaa	aactggtcta	aactaaaaca	cggctctctac	48600
taaaactaca	aaaattagcc	gggctggtg	gtcggcacct	gtaatcccag	ctacttgagg	48660
ggctgaggga	ggagaattga	ttgaacctgg	gaggttgtag	tgaattgaga	tcataccact	48720
gcactccagc	ctgtgcgaca	gagccactct	gtcttaagaa	aaaaaaaaaa	gcaagcattt	48780
tgtgctcact	agaaatatta	gcatgattga	atgcttcctt	gcatatgaaa	attattttta	48840
cattgtaaaa	catctatttg	gcaggcatgg	cggctcaaca	cctgcaatca	cagcactttg	48900
gcagggaagag	cgggtaggat	cgcttgagtt	caggagtttg	agaatagcct	gggcaacata	48960
gtgagatccc	gtctctgcaa	aaacaacaac	tgagtccagg	gaggtcgagg	ctgcagtga	49020
agaagattgc	tccactgcac	tctagcctgg	gcaacagagc	aagaccctgt	ctggaaaaat	49080
atatacatgt	atgtgaggac	ctggctctct	caggacagtt	ttttttcttt	tctaattcta	49140
ggttttagtg	gctgtcataa	aaatatggga	ggtgaacaga	aggtagacac	cattagctgg	49200
ccttactaaa	tcatcatact	cattgttaca	ttccatccac	caaatatgca	aagggttttg	49260
taaaatccag	ctagtgtatt	tctatcttcc	cagttgtcag	tgggttagaa	agttcctctt	49320
tctaaccaat	gtggagggtgc	tgcatgttta	ggttttacat	gagtgtcac	acccaaggag	49380
ttctatatatt	taaaagtga	gacattttta	aaacagatta	ttctggccag	gagttgtggc	49440
tcatgcttgt	aatcccagcc	ttttgggag	ccgagacagg	cagatcactt	gaggtcagaa	49500
gtttgagacc	agcctggcca	tcatggtgaa	atcctgtctc	tactaaaaat	acaaaaatta	49560
gccaggtgtg	gtggcaggca	ctcgtaatcc	tagctactca	ggaggctgag	acaagagaa	49620
cgcttgaatc	cgggaggcag	aggttgagct	gagccgagat	cgcaccattg	cactccagcc	49680
tgggtgacga	gagtgaaact	ccatcccag	aagaagaaga	agaaggaaga	agaagaagga	49740
agaagaagaa	gaagaagaag	aagaagaaga	agaagaagaa	gaagaagaag	aagaagaaga	49800
agaagaagaa	gaagaaggag	gaggaggagg	aggaggaggga	ggaggaggag	gaggaggagg	49860
aggaggaggga	ggaggaggaa	aagaagaaga	ggaggaggaa	gaggaagagg	aggagggaaga	49920
agaggaagaa	gaagaagagg	aggaagagga	agaggaagaa	gaggaagaag	aagaagaaga	49980
aaaagaagaa	gaagaagag					49999

<210> 18

<211> 49999

<212> DNA

<213> Homo sapiens

<400> 18

gaaaaagatt	attctgaaat	taggtcattc	tgttctcaag	cttccttttc	ctgtgtaggt	60
atgagtgttt	atgagtctaa	tacattgttt	acccccaaat	caagtgtcaa	ataaatattt	120
tcaaacttct	gctcaaaaat	ttgctctttc	cttagcaaga	gttttgtttt	gtttgagaca	180
gagtttcgct	cttattgccc	aggctggagt	gcaatggcgc	gatctcggct	cactgcaaca	240
tctgcctccc	gggttcaagc	aattctcctg	cctcagcctc	ctgagtagct	gcgattacag	300
gcacccgcca	ccacgcccag	ctaagttttg	gtatttttag	tacccaaagt	tgatgagtcg	360
acctgtctca	cgcgtaattt	caagtggtgc	acgttggggg	cacccttgc	agcttgtagc	420
tgctgtgaac	gccagagaat	gaagtactca	gacaattcca	gctgagtggg	gcaggcggca	480
actcctctga	gcagatgccg	ccccaaaatc	catccgcca	gtatttatta	gaaggcttgt	540
taaaccacaa	acatccacca	gatgggtttt	tgcctggggg	tcatgaggca	catacggcct	600
tgtaaaagca	ctcagaccac	attcctagga	ggctgttttc	agcgtctcct	atcacacatt	660
ccactccttg	tcctgttttc	agtgtcaagg	agttacattc	tcacgcacaa	acaacgtaca	720
cacagtgcct	cagtattttt	ccatgcctcg	agctcaaattg	ccttgtagcat	aagtttgaat	780
atatcgctcg	gcacccccca	catctcccc	ttctttaatt	cttagagctt	gctgggttatc	840

caacgcaaaa	taagctttcta	tctttctttcc	ctggtcatag	atgcttcggg	tggcagcaca	900
gagccattta	cagaagccta	gcaatcagat	acaaaaaaga	atatagcggc	catcacccta	960
gcaatcagat	acaaaaaaga	atatagcggc	catcacccaa	atgcgtatgt	ttaaccacaga	1020
caaccaagta	ttcgggttca	gtcattgaaa	gcctttcttgt	aattgctgaa	gggtattttgt	1080
ttgtaattgc	tgcgagacca	ttcttcaagt	tgtttcttca	actagacctc	aaatgctttg	1140
tacataagct	tgaatatatt	gccgcgcacc	ccaccgcctc	cccactgcct	gccagagggc	1200
tgggaaatgc	ctgcaccgct	gaacaccgca	gttaccctcg	ggaattact	tatgacctcc	1260
tcccgcgcgc	tgccactgtg	cgctccctcc	ctccccctgc	tttcccttcc	tctcctctcg	1320
cgcaccctcc	tcccgccttc	agggaccctt	gggcaaggcc	actgcgcccc	gggtctacgg	1380
cagctggcgg	ggcgctcaac	gcgcgcactc	acacggacga	cgtagcgcaa	agagttcctg	1440
tcgtccaggc	tgaccataag	cgagaagagc	gcggcgggcg	tgtacacgcc	ctgcactttt	1500
ttacagcagc	cagttgaggt	cccacgcgcg	agcaaccccc	cggcgctccg	ccgcgcgcgcg	1560
caggctcccag	ccccgcagt	cctcgatgac	ctccagcatg	agcagcgggt	tcagtcgttc	1620
gatctcgcgc	atctcgaggc	acaagcggaa	gaaggagcgc	acctagtgc	gggcagcgc	1680
gccgggtcca	cccttggggc	gagccagcag	gcgcgcgagg	cgctcctcgt	tctgctagcc	1740
gatggcccgag	atggtggcgt	aggtgagctt	gtcgtcgggg	atggcatggc	gccgcagcca	1800
gccgcgcgag	gcgaacgagt	ataagtcctg	gcattgggtcg	atgctggcgt	ccaggttggc	1860
ggccaagaag	cgaagcgtgc	acgcgaagtc	ttgcgtctag	gacagccttc	aggacaggct	1920
ccgcgcgcgg	ccgcgaccgg	gccaaggtac	ttgagcacca	gcatagccgc	caggatggag	1980
cagaggccgg	ctgcaaacac	cagcccagaca	gcaggttcaa	cttgcgccgc	ttccagagct	2040
gcagcccggc	ctggggccgg	tggcctgcgg	gcagaaagtc	cccgaagcg	ccccccgcgc	2100
cgcagtgact	cacataactg	acctcctgga	actcatcgta	gtgcgccatc	agcgaatacc	2160
aggactccat	ggcgccgagg	ccgcgcgggt	gcagccctgg	gccacctggg	ctacgggatg	2220
cgcgtggcgc	ccggcctcct	cgtgagcctc	cgcgtggccc	ctggggcctc	agctgcggga	2280
aggacagagg	caggctaata	agacgccgca	gccgcagcgg	gttccggggc	accgcaggga	2340
gagacacagg	cctgggtgca	gaggccccag	ccgcgagcct	cattcactgg	ggaaaccagg	2400
gaccaggagg	gctcggcggg	gccaccaccc	ccgcgtgcac	agtggagtct	tctcccctgt	2460
ccccctccct	gcacacacgt	gcgggtccct	gggttgggag	ggccctgatg	ggaaggggga	2520
ggagccaggc	acggggcctg	gcacgtagt	ggccttcatt	gaaaggctgt	ccctcttccc	2580
ttcgcttttc	tggctcagga	cctgccccag	ccaaggccgg	gcagaatggg	ggtggggggg	2640
ggagaagcgg	aggctggagt	gaggagtggt	ggtcaggagc	gcgtctatgc	tgcactttcc	2700
gctttccgcg	ctggacacag	acagaggctc	cacaaagcgg	ccaaagaacc	aaactttgtc	2760
cttgcggaag	tccgcaggat	ctaccaactca	accccgatcg	ctggctcctt	ctactcgggt	2820
gcccgcagac	ccaccgcctc	cttccccagg	ggcgagcgcc	aacgccccag	ggtcgtggat	2880
acacagccca	ccccctggac	ggcctctgat	gagaccggct	ccgtcccccc	accaccccc	2940
attcccagtc	tgtgaccctg	acccgagcca	ctccccgctt	caatacgttc	tccccagaac	3000
ccaaacttgg	gtgaagtttc	acctccgcgc	gggcgcgaagg	agacgaagcc	gggagggtcc	3060
gcgcagcggc	cgcatggcg	gcaacggctg	cagggtattcg	gcgccattta	ccccgcagg	3120
gcgcactcga	gcaggaccag	gactagcggg	cccgtctgaa	accagagcct	gagcctgagc	3180
agaactgcgt	gggcagccgc	tgtctcccag	cgcgcgtgc	cttttctgcc	gccgagctgc	3240
cagcccagagg	ggtccagccg	tgtcccagga	ccagtaaggg	cagcgggtac	tcccgggagg	3300
ggtcccttcg	gatcccgcgt	ccccattacg	agctgcccac	cagccggcta	gaaaaggggt	3360
ggagctacgc	agctgggggg	cgtcatgccc	cagcccacag	ccctggagca	ccggccgggg	3420
aggactcctc	ctaaaggata	agggggcctt	gatggagtgc	ctgggtcgc	cgcacagcgc	3480
ctgcgcacct	tcaccgggga	gcttcttgt	actcctggga	acgcgtctcc	aggatgagg	3540
ctccccaggg	cgtctgggct	tctggttggc	ctcgtcact	tccccagtt	cctgatccag	3600
ggagagcaac	ggagagccct	gccagaagaa	ggcttggggc	tgcgagtgcg	gcccccatgg	3660
taccaatgca	cagttgacct	agagcacagc	aatcgcgccc	aataggaggt	gacttgggtt	3720
tagcctgtga	ccacacagtc	ctggtcacc	tgcacagact	gccaaataag	aggggtccga	3780
ggcccagctc	cttggctccc	ctgcagtgtc	tccaaaaggg	aagctgaggc	tgtgggtgag	3840
tgggtgatgc	tatttggtcca	ggctccagtt	cccacttgca	caaaggcctt	cttaaccttt	3900
catcgaaaaa	tatttctgca	aggcatcttg	cccgataacc	acctgtccat	cctcacagt	3960
gtgccacgca	tatccttgat	ccctgtagcc	aaggataaat	atctcaaaac	aatcctgtga	4020
tctcctoca	ttttccttta	aaaacctttg	tcttcttca	cctccctaaa	ttcacacgtg	4080
ctttcctatg	gcttgcttat	tcccaagcaa	tacctatttc	caaagaaagt	tcattttatt	4140
ttagagtctt	tctgtatttg	ttatgcagt	tcacatagcg	gagccagaag	tgggaccgaa	4200
gtgaattcat	cttggatgaa	tcagcgtgtc	ctggaatcta	acgcagtgtt	gactgagccc	4260
cccgcagact	gcctttcc					

ggtgaattca	cttttggttc	tggatgcttg	actgaatatt	atgtttgatg	tgtacacctt	4680
gggtgaaatt	ttgtgagcat	tctgatttgg	gtttgatttt	ggtttggttt	cccacgtctt	4740
taaatgattt	ggctcatttt	tttttcttgc	ttgttcctga	acatcttctg	atcatcccac	4800
agcaaaaata	aacataaata	gttttagcacc	ataggaaatg	ttaaaacaca	cgtacacacg	4860
gtgagggctg	gccccctcag	gtggctcctg	tctgtaatcc	ctgcactctg	ggaggccaag	4920
gtgagagaat	ggcttgagct	aaggagctgg	agaccagcct	gggcaacatg	atgaaacccc	4980
acctctacaa	ataacacaaa	aattagctgg	gtgtggcgagc	tcccacctgt	agtcccagct	5040
atcaggaggc	tgatgtggga	ggattgcttg	agcccaggag	gtcgaggcta	ccatgacttg	5100
tggctcctgcc	actgcactaa	agcctgttta	acagtgagaa	ttgtctcaaa	aaatacacat	5160
atggtgagtg	tgagaaagcc	aactgaaaga	acccagggtg	tcaccaccat	ctaaaacact	5220
ggtccagact	cctgacagtc	cctgacaggg	tttataggat	ttcttttgct	tctcagagat	5280
gaaaaagaaa	tggaatggca	ttctcagaca	ctaaggcgtg	ccagattttc	tgggactcca	5340
ggcagctaca	tggctttccc	tgtgcacatt	tcaaaatcaa	tggccatcat	tggaatcatt	5400
tgaactcctc	aaatttgctt	tttcttaata	ctgaattttt	aaactgccaa	ctacaaagtt	5460
aaatggagag	ccttctaagt	tgtctacttc	tgtctctctc	ttttctgctt	aattggaatc	5520
tgctgacatt	tctgtcggca	ttaagataaa	ctgataatat	cacactccag	ccaacataaa	5580
aaccactaag	gaaggggtct	tgaagggcct	tcaaattaat	ggctctataa	attacaacag	5640
ctccgtggca	aacaacaacc	tagagacctt	ttggaaatgt	aaatcaggt	ttgcctaaca	5700
gttgcttcgg	gtgatggaac	agtcacagga	aggattgata	ttagaaaaga	acagaatgag	5760
agaaatgttt	ataaatgtta	ggcacccaga	ttaaacaggt	caaaatcatg	agctcagagc	5820
aataatgaaa	aggatctctg	tttctggcat	aaaaactgct	tctctgctac	acagggggcca	5880
ggaagagctg	aacgaactgc	taaaatgctt	cccaccggga	cggagctgtc	aagcaactga	5940
tgcttgcaaa	cagaacagaa	attttgtatt	ggacttttca	aaactgctag	gagattttgt	6000
ttctgttaca	aaatcgagcc	agtccttagct	aaaattaaac	agttagtatt	taattccctaa	6060
tctcatttga	aactgaaaaa	ggataaaggt	gggtctaaag	agattaaaaa	aaaaaccaga	6120
aaactaaact	gcttgccagg	cgcggtggct	gatgcctgta	accccagcac	tttggggaggc	6180
caaggcacgt	ggatcacttg	gcatacaagag	ttccagacca	gctcgacca	tatggtgaaa	6240
ccctgtctct	actgaaaaata	caaaattagc	caggtgtggt	ggcgcacgcc	tgtaatccca	6300
gctacttgag	agactgaggc	aggagaattg	cttgaatctg	gaggctgagg	ttgcagtgag	6360
ccgagatcga	gccattgcac	tccagcctgg	acaacaagag	cgaactcca	tctcaaaaaa	6420
agaaaagaaa	agaaaactgt	tttaccctaa	gttttggttg	gtgcctcat	aagatgtgct	6480
atcaagacaa	atgacaattt	tttttttttt	tttgagatgg	agtttctctg	ttgtcgccca	6540
ggctggaatg	cagtggagtg	atctcacctc	actgcaactt	ccgccttctg	ggttcaagtg	6600
atttctctgc	ctcggcctcc	caagtagcta	ggattacagg	tgcacaccac	cacacccggc	6660
tactttttgt	atttttagta	gagacagggt	ttcaacatca	tgaccaggct	tgtctccaac	6720
ttctgacctc	aggtgatatg	ccgcctcctg	cctcccatag	tgtctgggatt	ataggcatga	6780
gccacggggc	ctggccctga	aaatcttaaa	gttttagctt	gggaacctct	ccattttctc	6840
agaaatctca	tttggatcca	actgtgtttt	ataaacctgt	gagctccact	tacaatgttt	6900
tgtgtctcca	tgtactaact	tctaaaaata	aagctataag	gtctctattg	tgtttctgtc	6960
tatgtatgta	tgtttttgca	tgtcgtatgt	cgtgtctcca	agttgaaatc	tggcatggtc	7020
agctagacat	cccttaagaa	attctatttg	gggtggctgg	acatggtggc	tcatgcctgt	7080
aattccagca	ctttgggagg	ctgaggcagg	tggatcagct	gaggtgagga	gttcgagaca	7140
agcctggggc	acatggcaaa	accccathtt	tactaaaaaa	aaaaaaaaaa	aaattagctg	7200
gggctgggtg	tgtgcacctg	tattcctagc	tacacaggag	gctgaggcag	gagaatcact	7260
tgaaccagcg	ggggcagagc	ctgcagttag	ctgagatcat	gccactgcac	tccagcctgg	7320
gtgacagagc	gagactctgt	cttaaaaaaa	caaaaaaaga	ataaaaagat	aaataaaact	7380
tgttaaaata	tatagtgagc	agggcatggt	ggagcatgcc	tgtattccca	gctactcagg	7440
gggctgaggc	aggaggatta	cttgagacta	ggagtctcag	gccagcctga	gcaacacagc	7500
aataccccat	ctctaaaaaa	aatatgtatg	taggccgggt	gcggtgtcaa	acgtctttag	7560
tcccaccact	ttgcgaggtc	aagggtgggt	gattgcttga	gctcaggagt	cccagaccag	7620
cctgatcaac	atggcaaaac	cccactctct	caaaaaaaaa	aaaatacaaa	aattagctgg	7680
gcttggtggc	gtgtgcctgt	agtcacagct	agtggggagg	ctgaggcgag	agaatcactt	7740
taattccaga	aatagaggct	gcagtgggct	gtgatcgcac	catgcgctc	cagcctgggt	7800
gacagcgaga	ccctatctca	aatatatata	taatatatat	atataaaaca	tatataatat	7860
atattacata	tattatatat	acacacacag	atatatacac	acacatatct	atgtatgtat	7920
atgcatacat	gtatacacac	atacatatat	aaatacatgt	atacatatat	aacataaaaa	7980
tgaacccaaa	taccttttag	ttcacatgat	ctaactatat	ctttgataaa	taggctagtt	8040
ttaaatgtgt	tgataaaata	aaaataaaat	atatttagca	ccttcttttc	tttctttctt	8100

catgtccatc	tttagcgltt	gcagtgta	ttttccactg	ggtttgcg	tcagatgga	8460
tcatatgtgt	ctctgctaga	tgcccaagg	ttataaaacc	ttaaacccaa	cctaaaaaca	8520
aagtgatctt	tgtttggtga	gttctttgat	aaataaaact	aatttagtat	tgctacttta	8580
atgaaaatag	ctctgtctta	caagttactg	gcaaaatata	tatttattta	attttaagat	8640
tcttaggtga	acatctgaga	gtcacaggct	acaaaagttg	tgaacaggaa	aaaaacctga	8700
aatgacgact	agctttgtgt	aataatctcg	tattcaaaat	taatggggat	atagttgtta	8760
aaaaataaaa	ttaggttaact	gtaaatggca	taaatgtcta	taataagct	tttcatagaa	8820
tttagagattt	ttttgtttgc	ttgcttggtt	tttgtttttt	ggcagattct	ctcactgtgg	8880
cccaagatgg	agtgcgatag	tgcgatatcg	gctcaccgca	acctcagtcg	gagtgattct	8940
cttgactcag	cctgccaaagt	agctgggact	acaggcatgt	gccaccatgc	acagctaatt	9000
ttagggtttc	accatgttga	ccaggctggt	ctcgaaactcc	tggtctcaag	aaatcctccc	9060
ctcttgcca	cccaaagtgc	tgggattaca	ggtgtgagcc	accgcgtcca	gtcgaatttt	9120
gaaatctttt	ttttttttga	gatggagttt	ctctcttggt	gcccaggctg	gagtgcaatg	9180
gcatgatctt	ggctcaccag	aacctcgccc	tcctgagttc	aagggatttt	cctgcctcag	9240
cctcccaagt	tgggattaca	ggcatgcacc	accaagccca	gataattttt	gtatttttag	9300
tagagatggg	gtttctccac	cttgggtcagg	ctggctcga	actcccgcac	tcagttgatc	9360
ggcccgctc	ggcctcttaa	agtgctggaa	ttacaggcaa	gagccactac	accagccag	9420
aaatgaaat	cttaaagtc	ggttatgtta	cattaagtga	cgataactca	ttaaatatag	9480
gggtcatttc	caaataagac	acaaaaacat	aaattgccga	acataaatat	aagtgtgttt	9540
gtggcttctt	aaaatctgat	agaactacca	aatatatggg	ggttgtactg	atacacataa	9600
aacagtgatg	tttctaaaat	tataaacggt	tttcatctgt	aaaatactga	tatgtgacgg	9660
tcagttggcc	aacatggcga	aacctgtct	ctactaaaaa	tacaaaaact	agctgggtgt	9720
tgtggcggt	gcccataatc	ccagctactg	gggaagctga	ggcaggagaa	tcactagaac	9780
ccgagagggtg	gagattgcag	tgagctgaga	gcattgccatt	gcactccagc	ctgggtgaca	9840
agagcaaaa	tccattctaa	aaaaaaaaag	aaaaaaaaatac	ttttttcttt	tgtagctgg	9900
tttttcta	gaaattaaag	ttgtcaagag	ttaaaaattc	taattaattc	atacaattcc	9960
tggaaccaag	tgtaaccaaa	aaaagatgta	ttttgacaa	gaaaaattat	ttaaaatgtg	10020
taaaagcatg	tttttgcttt	atttggtatt	gttgatatatt	taaaattatt	tgaacttttt	10080
ataaattaag	aaaaatagag	ataggagtct	gctatgctgc	ccagcctggg	ctcgaattcc	10140
taggttccag	tgatccttct	gccacagcct	cccaaactgt	tcagattgca	ggtgtgggcc	10200
actgcacctg	gccaaaatgt	gttatcacg	gaaataaagg	aataattttg	tctaatttgg	10260
agattatata	atgttgtctc	aaaatatgga	tgtatgaact	aaataaaaaac	aagacagaaa	10320
ggaaccagta	agtaggagag	agatgtgaag	aatgttacag	gtatgaagat	atattttttg	10380
taaaaacagt	taaaaaaaaa	aagaattcgg	aatgacaaa	gatcttgtgt	ggtaaatttt	10440
ctgtcctaag	taaaacaact	tattaattaa	gaaaggggaa	gtttagggtca	aagcagaggt	10500
ctaagcatgt	catggaattg	ctaagtcatg	aaagtttgtg	gaaggatgaa	tttgtgaaag	10560
aaatttttgt	atgtgatcag	gttggtctaa	attgaaggga	aattatttat	gagtctaagg	10620
attgagcttt	catattaaaa	ctacactgag	gctgggcaca	gtggctcatc	cctgtaatcc	10680
caggactttg	ggaggccaag	gtgggtggat	cacttgaagt	caagagttgg	agaccagcct	10740
ggccgacatg	gtgaaacccc	atctctacta	aaaatacaaa	agtttgccgg	gcattgacgg	10800
acatgtctga	aatcccagct	gctctggagg	ctgaggcagg	agaatcgctt	gaatttgaat	10860
ctgggaggga	gaggtttcag	tgacccaaga	ttgtgccact	gtactccagc	ctgggcaaca	10920
gagtgagact	ccatctcaaa	aaaaaaaaaac	ctacactgat	attgtcctct	tatggctcta	10980
gaaggaaaaa	aaaaaaaaaa	gagaagaag	aaagagaag	aaaaagaaaa	aaaaaactac	11040
cttgataaaa	aaacaaaaaa	tttgcggccg	cgtgtggtgg	ttcatgccta	taatcatagc	11100
attttggggag	gctgaggcgg	gcagataact	tgaggtcagg	agttcgagac	tagcctgtct	11160
aacatgggga	agcctcgtct	ccacgaaaaa	tacaaaaatt	agctgggtgt	gttggcgggt	11220
ggctgtaatc	ccagctagct	gggaggctga	ggcaggagaa	ttgcttgaac	gtgggaggcg	11280
gaagtgcag	tgagcagaga	tgacgccact	gcactccagc	ctgggtgaca	gagtgagggt	11340
ctttctcaaa	aaagaaaaaa	aaaaaaaaata	cctaaaaatt	tggtccctctg	tgtagtaga	11400
acaaagtttt	cttgaagtat	agatcagctc	ttagaaaatc	taaaagagtt	attaattttt	11460
acttctgaaa	tatatctcac	atctaaacta	aagctttctt	ttcttttctt	tttttctgtg	11520
acagggtctc	gctctgtcat	ccaggttaca	gtgcagtggt	gtggtcttgg	ctcattgcca	11580
ccttgacca	cagggtctaa	gggattctcc	tgctctgcc	tcctgagtag	ttaggactac	11640
cacctactgt	gctaactttt	ttgtgtgtgc	caccacaact	ggctttttta	tttttgtata	11700
gacaagggtct	atgaaaattc	catcattgca	tcattgggata	aaactcttag	aaatctaata	11760
tttactggg	gatttcactc	cacgattaca	ttgtatgtca	cagaaataac	caaacttctc	11820
tgtcaattac	taattacaat	aaactatcat	cagatttttt	ttttttaaat	ataagtagag	1

gtagctggga	ctacaggcgc	ccaccaccac	gcatggctaa	gtttttgtat	tttttttagt	12240
agagacggga	tttcaccgtg	ttagccagga	tgggtctcagt	ctcctgacct	cctgatccctc	12300
cctcctcggc	ctcccaaagt	gctgggatta	caggcgtgag	ccaccgcacc	cggccatggt	12360
tttatttttt	atgcagatga	gatcttgcta	tgttgcccag	gctggtctgc	atttccctggt	12420
ctgaagctgt	cctcccaaag	ttctttccaa	agttctagga	ttgcagggtgt	gaacctccat	12480
gtcagggtctg	aacttcaatc	atatttttaa	gaatggctat	tcaaagtctc	tgtcatccac	12540
agtgttgtcc	ttccctaaaa	acgtttccaa	tcagattcat	ggtaaagaca	ttaccaagta	12600
ctcttaggac	aagttttctga	taacttttaag	atcaaaggac	taggcttgct	ccgtggctca	12660
cgctgtaat	cccaacactt	tgggaggccg	aggcgtgtgg	atcacttgag	gtcttgagggt	12720
ccggagttca	agaccagcct	ggccaacatg	gtgaaacccc	gtctctccaa	aaaaaaaaaa	12780
aaaaaaaaaa	aaaagactta	gctgggcatg	gtggcagggtg	cctgtaacca	ccagctatt	12840
caggaggtcg	aggcaggaga	atcgcttgaa	cctggaaggc	agaggttgca	gtgagccgag	12900
atcacgccac	tgcactccag	cctgggtgat	acagcgagac	tcagtctcac	aaaaaaaaaa	12960
aaaaaaaaatc	aaaggactaa	ataaaaatttt	tttcagaaca	caagtgaaaa	aacatgaatt	13020
tgtgaaacaa	ctaatacaaga	tcagacagaa	caaaaattaa	cgacatgaag	ttaagtaacc	13080
agtgaaaatc	tgtgctttta	acagaaaagct	taaacagtgc	ttaaatcagt	gtttaaaaaca	13140
gagagctatg	acctaagaa	taattacaga	attgaacact	gaagaaacca	ccaccgcgat	13200
caagaaatgg	actatgacca	ggatctcccc	accccccccc	ataccttccc	tgttcataat	13260
tcccatctct	ttgtcaccaa	aggaaactga	gttggtgggt	ttggttggtg	gtttttgttt	13320
gtttatattac	agacagagtc	ttgttctccc	acccaggctg	gagtgcggtg	gcagcattgt	13380
aattcacgcg	agcctcacac	tctggctcaa	gtgagcctcc	caactcagcc	tcgcaagtag	13440
ctgggagtc	aggcatgtgc	caccacacaa	agctaattgtt	taaatttttt	ctagagatag	13500
aatctcccta	tgttgatcag	gctggttgca	aacccctggg	ctcaagcaat	ctttcttacc	13560
ttggcctccc	aaagtgtga	gcttacagggt	atgagtcact	gcacctggtc	tccctgaatt	13620
ttttgatact	catttctctc	tcatagtttt	atccctcata	tagtttagtt	ttgcctaatt	13680
tcaactttat	atacataaaa	gatagtgttg	atcctatgta	ttcttttggt	atttgcattc	13740
tttgtccagc	tttatgtctg	tgagattcat	ttaatctggt	gcatattaca	actggttatt	13800
tccattgctg	tatacgattc	caatcatgaa	acaattgact	ttttatcttc	tctctttttg	13860
tctttttgag	acagagtctc	cctctgtcgc	ccaggctgga	gtgcagtggc	acgatctcga	13920
ctcactgcaa	cctctgcctc	tcaggttcaa	gagattctcc	tgcctcagcc	tcctgagtag	13980
ctgggattac	aggtgtgcac	caccacacct	agctaatttt	tatattttta	gtagtgatgg	14040
ggtttcacca	gtttggtcag	gctggtctcg	aactcctgac	ctcatgatct	gcccgcctcg	14100
gcctcccaaa	gtgctgggat	tacaggcatg	agccaacgtg	ccctgcgaca	ttttatcttt	14160
tctggtgtca	atcaacattt	ggggctgttt	ccatgtctgg	ctatttaaac	aatgccactt	14220
tgtacacgtt	tgggtgctttc	ctcctggaca	tgtgccaagt	ttctccagga	cacctacca	14280
ggacagaatt	gctgtctcgt	gggatgtgca	cagctcaaca	ttcagaacgc	tgctctatt	14340
ggttcctcca	cttcctgcca	gctccccagg	gatggacttt	taaatcttgg	ccagtctggg	14400
atctgggaca	ccacccacc	cagtgtggtc	tcttctacat	tggtagacac	cttttcacac	14460
acgtttattg	atattttctc	tttttctggt	tttctttttc	ttcctgagac	agggtatccc	14520
tatgtcacct	gggctgcaat	acagtggctc	aaacatggct	cactgcagcc	tcaatctcct	14580
gggtcccaagt	gattctccca	cctcaccctc	cagaatagcc	aagacgaaaag	gtgtgcacca	14640
ccacacctga	gtaatttttt	aattttttgt	aaagacaggg	tctctccatg	ttgcccagcc	14700
tggcctcaaa	ggatcctcca	gcctcatcct	ccccaagtgc	taggattaca	ggcctgagtt	14760
aggaaaccag	ggcgaattgt	agcgaggatt	gcttaaggtc	atcataagaa	gagcattgaa	14820
agaaacttcc	cactacacag	ctatcagaac	ggctgaaata	caaaaatgta	caacaccaga	14880
tgctggcaag	tatgctgaaa	aagtcaactca	gcttgctggt	ggacacgtaa	tggtagagcc	14940
aatctgcaaa	acgagctgggt	aatttctcca	aaaactacac	atgcaaccaa	catagagccc	15000
tggccatttta	tccaagacaa	atgaaaacac	atgttctact	aaaaacctac	ccatgaatgc	15060
tcatagcagc	tttatttata	aaagccaaaa	ctgaaagctg	ctcaagcttc	cttcagcagg	15120
tggttgggtta	aacacactgt	ggtgcttcca	tcccgtgaaa	tagtgctcag	cactacggag	15180
gagccagctg	ctggcacacg	cttggatgaa	gctccaggaa	gttatgttaa	gtgaaaaaaa	15240
acgcccttcc	caagagatca	cacattgttt	gtttgcattg	atgtaactta	gttgaaatga	15300
caaaatatta	gagacacagg	atgcatagca	gattgccagg	gattagggac	aggggaagag	15360
gtggaggaaa	gaggtgacct	ggttataaaa	gtgacctgt	gggggtggag	ctcttcagta	15420
tctcaactat	ggtgccgtta	cacacaaaacc	tacttgggtg	ataaaattgt	atacacactc	15480
ccacacatat	gcacacgagt	acaggtaaca	ctggggaaat	ctgaataata	actggggatt	15540
acgtcatatga	gggaaactaa	gcaaagtgca	caaggcattt	gtccttcctt	ccttccttcc	15600
ttccttcctt	ccttccttcc	ttctttcttt	cttctcttct	ttcttttttt	ttattgagac	15660
agagccatgc	tctgtagccc	aggctggagt	gcagtggcat	gatatcggct	cactgcaacc	15720
tctgcctccc	gagttcaagt	gattttctctg	cttcagcctc	ctgagtagcg	gggaattaca	15780
ggcttgtgcc	accacacccg	cctaattttt	gtatttttag	tagagacagg	gtttcaccat	15840
gttggtcagg	ctgggtctcag	actcctgacc	tcgcaatcca	cccgcctcgt	cccaatgtgc	15900
taggattaca	ggtatgagcc	accacgcttg	gccaaaggcca	ttcttttatt	atttttcttc	15960

ctttcttttt	cctttttttt	agatgttttc	tcaactcagtc	accaggttg	gagcgcgggtg	16020
gtgcaatctc	ggttcactgc	aacctctgca	gcccaggctt	aaaccaacct	tccacctctg	16080
cctcaggagt	agctgggtacc	acaggcacac	gccacaatgc	ctggctaatt	ctttgtattt	16140
ttttatataa	ttgggattct	gccatattgc	ccaggctggg	cttgaactcc	tgagctcagg	16200
tgatccaccc	acctcggcct	ccc aaagtgc	tgcggttaca	ggcttgagcc	accgtgcaca	16260
gcctgcttgt	attattttctt	actattacgt	gtgaatctac	agtttgtcaa	aaattccaaa	16320
aggaaactcg	ggccaggcag	ggtggctcag	gcctgtgatc	tcagcacttt	gggaggccga	16380
ggtgggcaga	tcacgacatc	gggagtttga	gaccagcctg	gccaacattg	tgaacccccg	16440
tttctactaa	aaatacaaaa	attagccagg	catggtgggtg	cccgcctgta	atcccagcta	16500
ctcaggaggc	tgaggcagga	gaatcatttg	aacccaagag	cgggaggttg	cagtgaagctg	16560
agatcatgcc	actgcactcc	cgctggggca	actgagcgag	actcagtgtc	aaaaaaacaa	16620
aaacaaaaac	aaatacgaaa	ctcggctggg	tgcggtgggc	attgtctgta	atcccattcca	16680
tttggggaggc	tgaggcgggc	agatcacatg	aggccaggag	tttgagacca	gcctggccag	16740
catggtaaaa	ccccatctct	actaaaaata	caaaaattag	ccgggcatgg	tggcgggaac	16800
ctgtaatccc	agctacttgg	gaggctgagg	cgggagactc	acttggaact	gggaggtgga	16860
gattgcagtg	agccaagatt	gtgccactgc	actccagcct	tggcaacaga	gtgagactcc	16920
atctaaaaa	aagtaaataa	aaatttaaaa	aattttaaaag	aaattagccg	ggcgtgggtg	16980
tgcacacctg	taacccacc	tactcgggag	gctgaggtgg	gaaaatcatt	tgaacctggg	17040
aggcagagtg	tgcggaagat	ggcgccactg	cactccagcc	agggcgagag	agtgaagacac	17100
cgtctcaaaa	aaaaaaaaaa	acaccgaaca	aaatacaaaa	caaaacaaaa	ccaaacctca	17160
ggatggctgg	gaaagctcct	gactggcctt	gcctttggag	tgaatcaatc	aatcaattaa	17220
gggcgtgcct	gttagtgagt	ctcctctgac	cttagccaa	gaatgttccg	aactcagcaa	17280
gatgaagcag	gaggtagagg	gaactaaagg	ggcaacaagc	aggagacagg	aagggcccat	17340
gagggtgaca	tcttccctga	gaggtccagg	acaaccagca	ggaagtcagg	cgggtgcagg	17400
caggaggacc	caggaaagct	cgccctgagg	gaggccctag	gtgtggtggg	gagtggggtg	17460
gggcaggcag	aggctgggca	gcaggtgagg	tccctgggat	tctggggggc	aagcctgggg	17520
cttgaggtaa	acaggcctga	gtggagaagg	ggctgctgtg	gttgggctgg	ggtgggtgga	17580
gctggaggag	ccttttcttc	ttggaccaaa	ttttgaattg	tgctacataa	catggtacat	17640
cagagttaac	tccttcacca	ttttcaagtg	ttcagtacac	acacattgtt	gtgcagctga	17700
tttcagaac	gttctcatcc	tgcaaccctg	aagtctctgtc	cctattaaac	tccaactcta	17760
accttaacc	gaaccttacc	ctaaccctaa	tccattgccc	cctccccag	tcccaggtaa	17820
cctccattcc	acttctgtct	ctatgaattt	gactcctcta	gggacctcag	agaagtgtgt	17880
tcatatgcat	ttgccctttt	tgttattgtt	tttaagaatc	ttattttaca	ggagacggta	17940
tttgtccttt	tgtgactttc	atatttctact	aggtgtaattg	tcctaaccgt	ccattcacgt	18000
tgtaacagag	tcttctccag	ggcctccttc	aaggctgcat	gatatttctg	tgggtggatg	18060
accccatttg	gtttcttcta	ccttttggtg	atatatatat	atgcacatat	ataacccagg	18120
ctggcctgga	actcatgagc	tcaaacaatt	ctctgacttg	gactcccaa	gactgggatt	18180
acaggtgtga	accaccacgc	ccagccatcc	ttttggttat	tctggttttc	aaattttttc	18240
ccaattttat	taagactgtg	ataaaccagc	caggcatggt	ggctcatggc	tgtaatccca	18300
gcactttggg	aggccaaggc	gggcagatgc	cttgaggtca	ggagttcaag	accagctgg	18360
tcaacatgat	gaaacctgt	ctctattaaa	aatacaaaaa	attagctggg	tgtggtggct	18420
tgcacctgta	gtcccagcta	cttgggaggc	tgaggcagga	gcacacttg	aacctgggag	18480
gcagaggttg	cagtgaagcg	agatcacacc	actgcactcc	agcttgggtg	acagagtga	18540
acactgaaaa	aatgtctttc	gaaaatgaaa	aaaaaaaaaat	actgttataa	acccttggat	18600
tgaaaaagtt	tataatgata	acttctacag	tgtaaaaaat	aaaaaagtaa	aaagagttaa	18660
aaaataaaaa	taaataaata	aaattatcaa	tgaaccctaa	tcagaataaa	tataaagttg	18720
aaaaacacac	taaacaaatc	actatattat	tcaggaaaaa	atgcatatgt	ggtaaaaagc	18780
aatcaacagc	aaagtcaaga	ttaacaaaaa	tacaggatag	tcattacctc	tggggagaaa	18840
ggtgggagag	tcaaaggctt	taaatctttt	tctcaaaaag	atttatccct	acagagttaa	18900
taagggttta	tttttggtat	tcatctttaa	atggaaacaga	tggaaaacat	ttttttgcat	18960
gaccacaaca	aatggaaaat	atattaatga	agttcagtc	ctcttctgtt	ttactcataa	19020
taacagaagc	cagaaacctg	ggagttacct	ttgaccactc	cctcaccaac	caagtccaat	19080
taattttcac	ttctaatac	acctataata	ccagcacttc	gagtggcgga	ggcgggcaga	19140
tcacttgaga	ccaggagttt	gagaccagcc	tggccttgat	ggtgaaaccc	catctctact	19200
aaaaatacaa	aaattagccg	ggcatagtgg	ctcatgcctg	taatcccagc	tactcaagag	19260
gctcaggcag	aactgcttga	atcccgggaag	cggaggttgc	tgtgagccgg	gatcacacca	19320
ttgactcca	gccagggtga	cagaccaaga	ctcagctcca	aaaaaaaaaa	aaaaaaagat	19380
cactttctat	tcttccccac	ccacaacacc	aaacccctggc	cccagccact	ttgattctca	19440
ccaggaaacc	aaatccctcc	ctcttcttta	acacccccgc	tctaatacaa	tctccacaca	19500
gcagccaaag	ccaacacttt	aaacatgatt	aactctgtct	gtcttcaact	tgaatctccc	19560
tcactaccct	ccttttctat	cagaagcaac	agagagacaa	gtaaattgcc	caaggccaca	19620
cagcaggaca	tggcagagac	aggattcaga	atctactagt	tttgacagtc	cacatgtctc	19680
accacccac	tatcccattt	tgggtgatcc	cagaaaaggg	tcagccactg	ccctaacaca	19740

gggtaatctc	agacaaggac	agaggatttc	tccccaatc	accacttccc	tccctttatc	19800
agcctaactc	ccagttatcc	ctaattctca	gctcaaacca	cacttcctct	atcttttttt	19860
tttttttttt	tttgagacag	agtcttgctc	tgttgggcaa	gctggagtg	agtggcgcca	19920
tcttggtcca	ctgcaagctc	cacctccggg	ttcacacccat	tctcctgcct	cagcctcccc	19980
agtagctggg	accacagggtg	cctgccacca	cgccccggcta	atcttttgta	tttttagtag	20040
agacagggtt	tcaccgtgtt	agccaggatg	gtctcgatct	cctgaccttg	tgatccaccc	20100
gcctcgccct	cccaaagtgc	tgggattaca	ggcgtgaacc	actgtgcccc	gccttcaaac	20160
cacattttct	aggaaaggcc	ttcctaggcc	ccttgctcta	ttccagcaac	tccccacaat	20220
ttgatggcca	gcactttgta	catctctaaa	aacatttcctc	ttccactaga	ttgtgccctc	20280
cacaagggca	gaggtctgtt	ttgcccacga	ttgtggcaca	tgtcacacac	ccttgagcac	20340
tctggttcct	ctccaaatcc	atctctcctg	aatgtggggc	cagattgggtg	gctcaagtct	20400
ggaaccctag	cagtgttgaa	ggatcgccctg	agcccaggag	tgcaagacca	gcacgggtaa	20460
cagaaagaga	tccgtactct	acacaaattt	ttgaaaatta	gcttcacata	atggaagata	20520
cacgggaggg	tgatgtggga	ggatcgcttg	agcctaggag	gtgtggcggtg	aatgcaccac	20580
tgcactccaa	cctgggtgac	agagccagcc	cctgtctcaa	aaaaataaat	aaataataat	20640
aataaaacag	aaagaaaaaa	atgatggcaa	ggatatctgaa	ctgcagaaat	actttttaac	20700
tcagcctgag	gctatcaaaa	catctgatcc	ccatgtgaaa	ggctacagtt	ctgggcatgc	20760
tcagggccca	ccgaaaacag	agtccgcccc	ggcaccctct	gcctgtgcaa	gggaacaggt	20820
gtcacaatca	agtgcacaag	ctgctctgga	agaccagcc	caggcctgtc	tggccgaggg	20880
cactggactc	tccccactg	cgctgtccaa	acattagtgc	gagtgcaccc	acacaaaacac	20940
atacacaatc	acacacaaca	tgtaaagcaat	gggcaggact	ggccccggccc	cactcagtgt	21000
tgtaaccatt	ggccccacag	atgcccacag	ccctggagct	ctgggcctag	attcctgcca	21060
gccccacctg	tccaggccaa	ggcagatgt	tggagcaagg	gggtgccaga	gcggcgaagc	21120
cccccatgtg	cccccttccc	accgggcccc	ggctcctggc	atcagaaagc	tgaaccaggt	21180
atctggcccc	ggctgtgtgc	ttccagcctc	ccctcctctc	gacaccagaa	cagagcctgg	21240
ccccagctc	ccaggaaata	cagaaaaaaa	aaatgggtgga	tgaacgagtg	acagggtgtc	21300
ttgttcaca	caagacacag	tgagcagggg	ttgggggagg	ggccccctggc	ggcaggatgc	21360
acactgcact	atacccaaaa	tcccaccctt	ccctggggga	cacctggtcc	caccctaagc	21420
tgccctttct	aggacccccag	ccccagcccc	gcccagccac	accctgccac	tcccttcagc	21480
cagtgtggct	tcaggtcaag	aggctggggc	gggtcaaggt	ggtaacaagg	ggaggggcca	21540
ggacacagtt	ttccctgatt	taaaccagag	cagcctggag	tgagctcat	actccatacc	21600
tgggatttcc	gcctcgccgc	tctccgactg	cttcagagaca	tgacggggcc	ctgggtgctg	21660
ctcctgctgg	gcctgaggt	acagctctcc	ctgggcatca	tcccaggtaa	tgaggtccc	21720
ccagctgccc	ctacacacac	acacacacac	acacagggca	ccccccagcc	caggctgacc	21780
tgatctttgc	tctccccctg	gccagttgag	gaggagaacc	cggacttctg	gaaccgccag	21840
gcagccgagg	ccctgggtgc	cgccaagaag	ctgcagcctg	cacagacagc	cgccaagaac	21900
ctcatcatct	tcctgggtga	cggtgagtg	gccaggcctt	ccagccccgc	agccctcaca	21960
gccccggcgc	ccggaccctc	agtgttcca	ggacagccct	ggggagcaag	cctcacacac	22020
ttctgctcct	tcagggatgg	gggtgtctac	ggtgacagct	gccaggatcc	taaaagggca	22080
gaagaaggac	aaactggggc	ctgagacctt	cctggccatg	gaccgcttcc	cgtaactggc	22140
tctgtccaag	tcaagtgtcg	ggctaactta	gagtcctcca	agcacagaag	gggaatcctg	22200
gctatggagt	gtggtaggag	ggagggaccc	taaacagctg	gggctccaat	aaggagctgg	22260
aggcagttgg	aatcccagag	gacagagatc	agggctctgt	ttgtctgccc	cagagaagag	22320
ctcagagtgt	ctctgtcccc	agacatacag	tgtagacaag	catgtgccag	acagtggagc	22380
cacagccaag	gcctacctgt	gcggggtcaa	gggcaacttc	cagaccattg	gcttgagtgc	22440
agccgccccg	tttaaccagt	gcaacacgac	acgcggcaac	gaggtcatct	ccgtgatgaa	22500
tcggggccaag	aaagcagggtg	agctggggcc	cgctgtgggg	tcaggggccag	gtgacagacc	22560
tctatcgcat	atcctgacct	ctatcacctc	caggaaagtc	agtgggagtg	gtaaccacca	22620
ccagggtgca	cgatgcctcg	ccagccggcg	cctacgccca	cacggtgaac	cgcaactggg	22680
actcggatgc	gcacgtgcct	gcctcgcccc	gccaggaggg	gtgccaggac	atcgccacgc	22740
agctcatctc	caacatggac	attgatgtgc	gacccccggg	ccaagggtctg	gggctgggca	22800
gagagttagc	gggagggggc	accagctcag	acccaggcaa	ccaaaagcct	tatctggggc	22860
agcagggtct	ggagggtggg	ttggggcgct	agaaggcgca	gccagggtctg	ggccattccc	22920
acagccttgg	ggaggggagt	caggggtctg	gcatgaggag	ggggcacggg	gccagccagg	22980
ccccaaaatc	cacctgcccc	atcctctgtt	cccagggtgat	cctagggtgga	ggccgaaagt	23040
acatgtttcc	catggggacc	ccagaccctg	agtaccacaga	tgactacagc	caagggtggga	23100
ccaggctgga	cggaagaat	ctggtgcagg	aatggctggc	gaagcgccag	gtgatggggg	23160
ctggcggggtg	cagggggcac	agcaggggga	gggcagaggt	gtggggctcg	gggctgtggg	23220
ctgaggcctg	gctctctccc	tccccacagg	gtgcccggta	cgtgtggaac	cgcaactgagc	23280
tcatgcaggc	ttccctggac	ccgtctgtga	cccatctcat	gggtaatgat	ccccctcctg	23340
ccctggcatc	cctcagatgg	cctcagatgg	caccttctga	gcctgtgtgc	acatccgcca	23400
gcaccgccc	acccccagcc	tgccagtcac	cacaggaccc	cttgtcccac	aggtctcttt	23460
gagcctggag	acatgaaata	cgagatccac	cgagactcca	cactggaccc	ctccctgatg	23520

agatatgacag	aggctgcctt	gcgcctgctg	agcaggaaacc	cccgcggctt	cttcctcttc	23580
gtggagggtg	cgtggtggcc	cctggggagt	gggggttggg	ggttggagca	gggcaggctc	23640
agcatctccc	ccctctggcc	ttcctgcagg	tggtcgcata	gaccatggtc	atcatgaaag	23700
cagggtttac	cgggcactga	ctgagacgat	catgttcgac	gacgccattg	agagggcggg	23760
ccagctcacc	agcgaggagg	acacgctgag	cctcgtcact	gccgaccact	cccacgtctt	23820
ctccttcgga	ggctaccccc	tgcgagggag	ctccatcttc	ggtaggcctg	gggagagtga	23880
caggtgctgc	tgcagcaatt	aagtgggtga	aatctgagcc	tcagtcctct	cctctgtcaa	23940
atgggagtga	tgtgtgcacc	agccctgtag	ggctctctgc	ggactaagcc	ctcgaccagg	24000
caaaacgtgg	cgggtgcctag	cacgtgggag	acactccaca	gctgtgttca	gctcaaccac	24060
agggacccct	ctctctgca	ggctggcccc	tggcaaggcc	cgggacagga	aggcctacac	24120
ggtcctccta	tacggaaacg	gtccaggcta	tgtgtctca	gacggcgccc	ggccggatgt	24180
taccgagagc	gagagcggtg	agtgcgcgg	ggtggcccc	tgagggggac	caggtgcca	24240
aggatggggg	gctggcggga	aggggtcacc	tcttgtctgc	ctggaactga	aacttcctac	24300
tgaactgaa	ccctccaacc	agggagcccc	gagtatcggc	agcagtcagc	agtgccctcg	24360
gacggagaga	cccacgcagg	cgaggacgtg	gcggtgttcg	cgcgcggccc	gcaggcgcac	24420
ctggttcacg	gcgtgcagga	gcagaccttc	atagcgcacg	tcattggcct	cgccgcctgc	24480
ctggagccct	acaccgcctg	cgacctggct	cccgcgcgg	gcaccaccga	cgccgcgcac	24540
ccggggccgt	ccgtggtccc	cgcggtgctt	cctctgctgg	cagggaacct	gtcgtctgtg	24600
gggacggcca	ctgctcctcg	agtgtcccg	ccctggggct	cctgcttccc	catcccgagg	24660
ttccctgct	ccccacctcc	agtctcctg	ccggacctcc	acctggagct	gtcaccctcg	24720
gagtcgccac	acagacgtcc	tgccatggaa	ccttcccttc	ccggtgcacc	ctggggaccg	24780
agcccttgac	accacgcctt	ttgctttatc	ttgctcttga	aattttggcc	ccaactccag	24840
ggactggggg	tttgtgcctg	gcagctgcct	gcatttcaag	aaaagaggag	gctcagacca	24900
tccagccccc	gcccataatc	tgaggtggat	caggcaggct	ctctccccgg	ggacatgagg	24960
caccataacc	taggaccccc	tgcgcctttt	ttagcttcag	tcattggcagc	acctgaggga	25020
cacaaggact	tgggtgcata	aggacgcctt	ggagaagcgt	ggcttccctg	caccttgcaa	25080
cccaccctcc	cagccaaggga	ggctgctgtg	gtgggatacc	ccaggggggc	tttgacacag	25140
tcctctgctg	tcctccactt	gggctaattc	tacaccctcg	tgcctctcct	aggggccccat	25200
gagtcagaga	ggcttgcccc	aagtcacagc	cactcagatg	ttcgacgccc	cctaagggtc	25260
attccagcac	ccacctgagt	tccgaggagc	acctgggaag	ctctgggtgc	aggatagcag	25320
tccagagtcc	atggccccgc	ctaggccatc	tgggtgctgg	gcatggattt	ctcagcaagg	25380
aagactcatt	accttccttc	cctgggcctc	cattctctcg	ggaaacacaa	agcaataata	25440
aaagggaagt	ttagacaatg	taatgccagt	actacttcct	agcataaaaa	tcatgactga	25500
atgtggacac	agtggctgga	ggggtggata	acacaggcca	ggaggggctg	ctgaggagca	25560
gatgactgag	caggagacct	gaacagagtc	ggggcttgag	caagggtggca	cagcagcaca	25620
aaggccctgg	ggcagtgcta	gcaggctgtc	tgggagggca	gggctgggat	cagaggtgtg	25680
gtagatgggg	taaaagcttg	ggggtcagga	gggtggggga	cattgggggac	cgtgaagtct	25740
aggtagaggg	gtgtggctcg	aggctcttga	ggagggctgt	gacctgccct	ggctgggaaa	25800
tgagcactct	ggctgctgcc	aggagaaggg	tctggctctt	tggatagagg	gtgggggtgg	25860
tggagggtag	aggtagagc	tggggaaggga	gctgactcca	ggtgtttctg	acctccctcc	25920
gaaagcattc	tggagcacc	atcccaatac	agccataact	agtatcacac	ttgccccaa	25980
agaacattga	aaagaattaa	atgaagggtga	aatcaaccac	attttccagg	aaagtttaca	26040
ttattacaga	tttatttgta	catttacaat	ggtacaaggga	gcactttgtc	aacatgggtga	26100
aattctgtct	ctacaaaaat	tacaaaaatt	agccaagctt	ggttgcccat	gtctgtggtc	26160
ccagctactc	aggaggctga	ggtagggagg	ttgtctgggg	cctggggagg	tggaggtctg	26220
agttaggtgc	gatcacgtca	ctacacttca	gcctgggtga	cagagcaagg	ccctgtctca	26280
agaagaaaa	aaaacaaaa	gactttgtac	tcactagaaa	tactagaatg	attgaatact	26340
tctttatgaa	aattgaatta	acattgtaag	acgtctattt	gccaggcatg	gtggttcaat	26400
gcctgcaatc	ccagcacttt	gggaggaaaa	gaggttagga	ttgcttgagt	tcaggagttg	26460
cagaccagcc	tgggcaaagt	gtgagacctc	acctctacac	gttttcgttt	agtgttgagg	26520
cagagtctca	ctctgtctcc	caggctgaag	tgcagtggca	ggatctaggc	tcactgcaa	26580
ctccacctcc	tggattcaag	tgaattctcc	gccccagcct	cccatgtagc	tgggattaca	26640
ggcgctgccc	accatgccag	gcaaattttt	gaatttttag	tagagatggg	gtttcactat	26700
tgtggccagg	ctggtctcaa	tcctgacctt	aaacgatccg	ctgccttg	cctcagaaag	26760
tgctgagatt	acaggcatga	gccaccatgc	ctagccccag	atttttaaaa	aatttagcca	26820
ggccagggtg	cacgtgctg	tcatacccaac	tacttgggag	gctgaggcgg	gaggatcacc	26880
tgagcccagg	gtagttgagg	ctgcagtgag	ctgagatttt	gccactgcac	tctagtctga	

attgttctgc	tattagatta	ttctgttgtc	taggtttttg	ttttttgttt	tatgtttttg	27360
ttttccatgt	gtaggtataa	gggcttatcg	gtcagctatg	ttattgacca	caaaatcaag	27420
tgtcatgaaa	ataatttcaa	acttctattc	aaaaatatgc	actttcctta	gcatgagttt	27480
tcattgaaag	ataattacct	tctcattttg	tcattgaaat	gacatcttta	cctgaaggac	27540
acacaggaag	tatatattata	ttttcaatct	tttcatggta	cgcctaaaat	ggagagcttt	27600
tcagttcaaa	gtcagcaaac	tggattgtaa	gaaggaggga	gggagagtta	ggaagaaaga	27660
gaggggagaac	tcaggacagg	tgggttcagt	actttgtcat	tctgcgactc	attctatgtg	27720
gccagaaagt	ttccacccac	tccccttacc	aagtatctta	aagtttctat	ttatgtttta	27780
gtttctatta	tgcggctatc	taaactttac	aaaatcaacc	ccactgcctt	ctgcaacatc	27840
tcattgtacac	gctgggcttc	tttccctgcg	tgattagacg	gggggtgagc	caatgagtga	27900
gggttaaggg	tgaacctacc	tctgcacact	gatttgtatc	cggaatgctt	tttttgaaaa	27960
aacccttcct	gagtagctat	tccatctgtg	gttgcatttc	caccatttcc	tcataacatt	28020
gtttttattt	aaaaaggcat	ttgctgtttg	caatatatct	tgtctgctat	atctaccttt	28080
tagtgggaca	tgaaaaaaaa	tgaaagaagt	ggtttgtgta	tttccctatt	ggaacagcac	28140
ctggcaataa	ccttcagctg	agccatgttg	ggaacatctg	tgctttcagc	tcattgcaaa	28200
gcaaacctcc	cacactgggt	actttgctct	aacacgagtt	tcttccaatc	ttcggcagtg	28260
ttttctccac	atcttccgac	ggtgtttgct	gacaaagaag	tctttcgggt	tgtcgacaga	28320
tcattttactg	ctcattgttt	ctgccatttt	tccctgcaaca	gaaagaatta	agtttctccc	28380
tgggtgtagg	tgtttttagt	ctcatgggat	catgcaagaa	actttaaaag	agctttccaa	28440
atatctgtca	ttgcgtatgg	aaatatcaag	aagtactggg	ttgaactgca	cctaaattta	28500
aacattgatg	ggaaaaaatt	gcactctttc	ttcagttccg	gaagcttagt	ttggccaggc	28560
acagtggctc	acgcctgtaa	tcccagcact	ttggaaggca	gaggcagggtg	gatcacctga	28620
ggtcaggagt	tcaagaccag	cctggccaac	atggtgaaac	cttgtctcta	ctaaaaaata	28680
caaaattagc	caggcatggg	gagcctatgc	tgtagtccca	gctacttagg	aggctgagga	28740
gggagaatca	cttgaaccca	ggaggcggag	gttgcagtga	gctaagatct	tgccactgca	28800
ctcaagcctg	ggcgacagag	cgacgtttctg	tctcagaaaa	aacaaaaagc	ttagttttag	28860
acaccttgcc	aacctatgag	atttcacact	gtcataagt	aattaagtaa	tacctccagg	28920
aacaaggcac	ccggggcaaa	cttcagcagt	aatcagagtg	ggggaaattc	aaagagtttt	28980
gtttgctgat	tttttattat	taggggtaac	gtctggctcag	gtccgtacct	cgggtgacgt	29040
gcgctctgac	aggagtaata	aggaattctc	agctccccct	tctgctgtgg	ttcatctgct	29100
ctggattttct	gttgttagtt	gcagattctt	tacaggaatc	ttgtgtgagc	ctcttggccc	29160
ttttggagga	ttaggtcggg	taaaactaga	tcataataag	ctgcgcgcag	tggtctacgc	29220
ctgtaatccc	agcactttgg	gaggccgagc	caggcagatc	atgaggtcag	gagatcaaga	29280
ccatcctggc	taacacggtg	aaacccccgt	ctctactaaa	aatacaaaaa	aaaaaaaaaa	29340
attagccagg	tatggtgggtg	ggcgctgtga	gtcccagcta	ctcgggagac	tgaggcagga	29400
gaatgacatg	aacccggggag	gcggagcttg	cagtgaagccg	agatcgccac	actgcactcc	29460
agcctgggtg	aaagagttag	actccgtctc	aaaaaaaaaa	aaaaaaaaaa	agaaaactag	29520
atcatataat	ctgtcaatct	acttaggcag	acacactaat	actccacaat	ttgctgaaag	29580
cttgtgatct	ggagggcgta	ctgtgtcaac	ccctggcctg	aggcacccaa	ttcccttctc	29640
ccggggcacc	cgggaaccac	atgggggtgg	tgcttgcagt	aaggggtgaag	gcaccagcat	29700
tcagctcaat	attaaacatg	agctcttggg	tgcctcactg	cccagggctg	tgctgaggca	29760
tgtgatgagc	ccaacaaaca	gtaagcactc	aggaggccct	gatgttccct	taaccaaac	29820
ccaaggtcca	ggttagtctt	cagcctgggg	aggccattca	aggccattca	aattgagcaa	29880
ctccttgtga	gcaggggctg	ctcactccct	gcaaaattca	gaccccagat	ggcacaagtt	29940
cagtccccac	cagattcgag	gccccctgcc	cattgagtgc	ccgtgagccc	ctacacagtt	30000
ccagtgattg	gcacaggaag	cctcatgatc	ggggaagagg	agtatgctcc	ctgcagcctc	30060
tcaggactca	agggggatcc	cagctgtgcc	ctcctgctgg	gtgctgatgt	tgcatctgat	30120
gatgccctgg	tcccactggg	tctaggaaca	ggcctcccca	ccgggttagc	atctgcataa	30180
atggcctttg	cccccatccc	aagggggtcc	caagatgtct	acagtgtgtg	ggacttacta	30240
tgtgggactt	gtaattgtac	cctctgagct	aaggtggccc	caggacctac	tgactccctc	30300
cgaccagagc	ttcccccttt	gctaccaggc	cacacactgg	accccaacac	caagaagcag	30360
ctgaagtctc	tcttgataga	agcttggcac	ctaggatgcc	accgggcatg	cattggccag	30420
agtatgttat	gtcttgatca	ctgaagtcag	gtcatagagc	ctggactgca	ggacattctg	30480
tggttacact	atagggaggg	tgtggtcaag	tgggagaccc	acctatata	ggaccaata	30540
ggtatagata	cacaccccaa	acccatctgg	ttcttgtctg	gtagatagaa	ggcaatgagc	30600
gcctgtcggg	ggaacaacca	cctctgtaga	aaggtcacag	agcccggact	gcaggacatt	30660
cctggcagcc	cagccacacc	catctcctga	caatgcatct	tctgtgccac	ctctgggctg	30720
ggccaccacc	ttcccggtta	ctgcctcatg	accctcctct	gacaccccag	ctctgggcca	30780
ggcaccacaca	tggacttgtc	catctcctgc	ccagtcttct	tgactgagag	ctggatgctg	30840
aagcagatgc	tgttcaatat	gttcttgtaa	taggtcttcc	catggacctt	aaactatgag	30900
gggcatgggc	agcactcagc	cgcagaccag	ggcaaggctg	cagatagcgc	cacaaccggg	30960
ccatgcaggc	cacctgccct	cccaggtgcc	attagcagag	aggctgtggt	caggttgggc	31020
aggcaggggac	acagtcccac	ctcatactcc	ttgtccacag	acccagtttg	aaaaggaagt	31080

ctgggtagcc	gaccatcacc	accatgtact	gaagttgcgg	gccggagggc	tggtagagtg	31140
gcacagggcc	tcagggcaca	gcaccccttg	ccaccccttg	cccaccaagg	aaaggagcac	31200
taggccagcc	taggagtg	cttcacggtg	ggggagggcag	gcctgctcaa	ctccacgaag	31260
tcccttttgt	cccttttatt	ctctttcact	ggcatacagt	aggtgctcag	tcaatgtgca	31320
tgggaccaac	agatggcact	gggggcccct	caccacggcc	ccagtagctg	ttctggtctc	31380
catgcagtc	agctcctcca	ggcgctggcc	caggatgtac	ttggtgtctt	ccaccagctg	31440
ccacacatgc	agggtcaggg	gtcagggagc	aagggtaaac	ccagcagcct	ttcactctgg	31500
tccatcactc	ctggcatgaa	ggagtctttc	agcaccactt	cctaagccca	gagctcgggtg	31560
ctaggcgcca	agaggacatg	ttggaggtag	ggatccagac	ccttcccctc	cgacaataag	31620
ctcacaggct	agaagaggaa	atggctgcag	caaccaccat	gggcatccct	aaggagatgc	31680
ctcctgagca	tggctgaaaa	ggtgggcagg	ggcctggcag	ggagggccac	ctaccgctga	31740
cagaccagga	ggaggaggcc	tgcggcatga	tcatactgga	gcctcagaat	aggctgaggg	31800
ctaagcaggg	cctgggtccc	ctgectgcag	ggggacattt	ggggctcccc	atgcgaggac	31860
catggcctcg	ggagggttca	ccctcagttc	agcaccatcc	tccccaccct	aaaccagggc	31920
ggcccacctt	ggtagatgac	aaagtgtcat	gtacaaaagag	ggcacgaagc	gccatgccat	31980
agtgggtggt	ggcctggccc	aggctgaccc	gggccagttc	atgaagcttg	ccgatgccct	32040
ccatatcaag	tgccagctag	tgcagcacct	catggaatgg	taagaacagg	tgctcactca	32100
ggaccaccac	cacgtcccac	acgaggtagt	tatgcaggac	cctggggggcc	agatgaagcc	32160
agtggggtgt	ccagaaagac	attcatatgg	gccaccaagg	gcaccacccc	cgctgtact	32220
accagcctg	cggctggacc	cagcactcag	atagtccctc	aaagaagggg	caggaggtca	32280
tcccaggat	gtggaggctg	aaattggagt	gtgctgagct	caatgacaca	gcaggacact	32340
ctcgctactg	atgccagccc	ctgaagctga	tgggtcaggg	cttctatcat	ttctgactt	32400
gccatgggga	gacagcgtct	gtccttgagc	gtgactgtct	gactcagagc	tggcttgcaa	32460
aggcctctgt	tccctcccat	ggtggataga	taccacgagg	ctctcccaag	ggtggcccag	32520
ggacagcaga	gctgtagcca	cactttctct	ttccaaccat	ccctaggtga	ggaaactgca	32580
gctcaggaag	ctcccagccc	tgcgagggc	ctcggaaagc	agaggggaga	gctaggatcg	32640
gatacccggg	ctctgggtcc	tttttttagt	ctgcctcctc	tagtgtgact	actggacaga	32700
agtaggggtg	gaaattcatg	gcacaccag	ccagcaagtc	cagggggcag	gggaggggccc	32760
tgggcatatc	tcacatgggg	gggggggggt	atcttctgca	gctgtcccac	cgctcatctt	32820
ctgtacatgg	agctgacatc	tgcgtggaaa	tcatacact	ctgacacagt	gatctgggtg	32880
ggcgtagcaa	tcagggctga	gccagccttg	ccccagggtc	ccctgtcatc	agctgcccc	32940
actacagcca	caggggtctcc	ttagccttct	gctccacagc	atcagcacc	aggaggtgca	33000
gcactcgctc	catgaacacc	ctgtgtgctg	ccagtatctg	caccacggga	aggggctcat	33060
ccagggacag	ggacaggcct	agcctaggga	cacccatcct	ggggcccccag	gccttccctg	33120
cctccccatc	ccatgtccca	gcaccttctc	actctcctca	tccctgagcga	ggtacagagt	33180
cctctctagc	agattgagcc	catcctggtc	aatctaggga	gggagacagg	ggccagaggt	33240
cagagatcca	catgccagac	tccccaaaaca	gatggaattt	tcaccccaat	gccagagag	33300
cgaccagaca	tccatgggta	gagaccaga	agcacgcaga	ccccagcccc	tctttccacc	33360
cagacgagat	gaccaaagcc	ccatccctga	ctgtctcagc	ttacccctga	aagcctgcac	33420
ttcccttacc	tgtcgggggc	acttgccgag	tggccgactg	acccttgggg	ttcctggctt	33480
tggcgccagc	ccagccctc	acggagatgt	cagcccagcc	cgccggcgcg	tccctccctc	33540
cctgcccctca	ctgccttcca	gagggctggg	aaattgcggc	tcccgcggct	cggtgaaca	33600
cttcagttaa	cccaggga	ttacttgccg	cttccctccg	cgctctgccc	ccaagcgctc	33660
ccctcccctg	ctttcccttt	ctctcctctt	gcgcaccctc	ctcccacgcg	cagggacccc	33720
tagtcagggc	cacgccccgg	gtctgcggcc	gctggctggg	cgctcgggaa	tcgcactcag	33780
gcggtgacg	tagcgcgagg	agttcctgta	atctaggctg	atctagagag	agaagagcgc	33840
ggcggaactg	tacacgccct	gcaccttgta	cagcagctgg	ttgaggtccc	agctggttga	33900
ggtcccgcga	cccccgagc	ctccgcgcgc	ccgcccagg	cccagccccc	gcagtcctcc	33960
atgacctcta	gcattgggccc	aggactcagt	agctctatct	cgccatgctc	gaggcacgaa	34020
cggaaaaagg	cgctcacctt	gcactgggct	gcgcggccgg	gcccacccct	gggcccgtgc	34080
agcaggcgcc	tcaggcgctc	ctctttctgc	tcgcccgaagg	ccgcgatgg	gccataggtg	34140
agcttttctg	tgggggtggc	atggcgcttc	agtcagcagc	cgcagacgaa	aaagtagaag	34200
ttctggtacg	aagtccatgc	tggcgctccag	gttggtgctg	aggaggccgg	cgccgcgcgc	34260
taaggccttg	ccctcggggc	agctctcggg	acaggcgccg	ccgcccggcg	cgaccggggc	34320
ctggtacttg	agcgccagca	tagccgcccag	gatggcgag	agatcagcgg	cgaacaccag	34380
ccccgaccgc	aggctcacct	cacgcagggt	tccagcgccg	cagcccagg	cctggtggcg	34440
ctgctccttg	agagaagcct	gggcccagca	aaggcccttg	cacgatcccc	gcgccacagc	34500
agcttaggta	ctgtacctcc	tggaaacgcg	cgtagtgcgc	cgtcagcgaa	taccgggctc	34560
catggcaccg	aggccgccc	gatgcagccc	tgggccaact	gggctatggg	atgcgcgcgc	34620
ccgctggcct	cctagtgggc	ctctgcatgg	ccccgggggg	ccaaagctgc	gggaagagca	34680
gagtcaggct	caggaggcgc	agcagcccga	cggggctccc	aggcaccgcg	aggagagacg	34740
caggcctggg	tgcagaggcc	ccagctgcgc	gcctcattca	ctgcggaaac	caggagcag	34800
gagagtctgg	cggggcccac	atccccgcgt	gcacagtgg	gtcttctccc	ctgtcctcct	34860

ccctgcacac	acgtgtcgga	tgctggattg	ggaggcctct	tatgggaagg	gggaggcgct	34920
gggcacgggg	cctggcacgt	agggggcctt	cattgcatct	ctcttccctt	cgcctttctt	34980
gtccacgacc	tgtcctagcc	aaggccaagt	ggggtggggg	aaggagcaga	ggctggagtg	35040
aggaggtgcg	gtcagggggc	cgtctatgcg	gcactttcag	ctctccgagc	tggacacaga	35100
cagacgcttc	gcaaaacggc	caaagaacca	aactttgtcc	tcgtggaagt	ctgcgggata	35160
taccacttca	aaccgcctcg	ctggctcctt	ctgctcgggt	gcccgcggc	ccacccgccc	35220
cttcccaagg	ggaacgcact	attgctccag	ggtcgcggat	acacaaccca	ccccctgcac	35280
ggcagtgatg	gggaacccga	gacctgtccg	tctctatccc	ctttccgctc	cactcctggc	35340
ttcaacaggt	tctccctaga	accacacttt	gcgcgaagtt	tcacccacgc	tggggcgcgga	35400
gctggccggg	cgagcccaga	gccatgcagg	cgcggcgcg	agtccatgga	gcctcagagc	35460
cgagcctggg	agtcgcagcc	ggcggatgga	cgcaaacaaa	gccgggaggc	tccgcgcagc	35520
ggctacgaag	gtgacggaag	tggccgcggc	tgcagggact	caggcgccac	ctacccggca	35580
ggtgcgcgcc	ggagcctggc	agaggcggag	cgggtcgggc	cgaagccgct	gcctgagcag	35640
gagcgaagcg	gcgctagcgg	ccggtgtctc	cccgtcccg	ctgccttctc	tgccgccgcc	35700
ccagcccgcc	gccgcctgc	ctgcctgccc	gaggggagag	acgcgccggt	ggctccaccc	35760
tctcccgccc	gtcccgcgct	cccttccctc	ctcctgcgac	cctctggcta	cctggcagcg	35820
cggcggcagc	ggggacctgg	gtcggggggc	gcggagacag	gcttccgagg	gtcgtgcgcg	35880
ggctgcggta	ggggactccg	gatccagtgg	catcccggga	ctagtgaggg	tagcgggtac	35940
accggcagg	agtcccctcc	gatcccggtg	ccccactcgg	aaccgcccac	caaccggttg	36000
gaaaggagct	ggagctacgc	agctgggggc	cgctcatggtc	cagcccacag	ccctggagca	36060
ccacccaggg	aggactcctc	ctaaggattg	agaggggcgt	gacggagtgc	ctgggctgcc	36120
cgcacagcgc	ctgcgcagag	ctcaccttca	ccagggagct	tcctttacct	cctcggaacc	36180
cctgtccggg	atcagctctc	cccgggggtg	ctgggcttct	ggttgtctcg	cccccttccc	36240
ccagcctctg	atccacggag	agcaacgcag	agccctgcc	gaagcaggcc	tggggctgtg	36300
agtgtggccc	ccatgggtccc	aataggcggg	tgtcccagag	aacagcaatc	actgcctata	36360
ggaggtgacg	tgggttttagc	ctctgaccac	acagtccctg	tcacccctgca	cagactgtca	36420
ataaagaagg	gtctgaggcc	cagctccttg	gctcctctgc	agtttcccca	aaagggagc	36480
tgaggctgtg	ggtgagtggg	tgatgtccgc	ggtccaggct	ccagttccct	cactgtgggg	36540
tcttccccta	cccctgtgat	atggtttggc	tctgtattcc	cacccaaatc	tcacctcgaa	36600
ttgtaatccc	cataatcccc	acgtgtcaag	ggcgagacca	ggtggaggta	attgaatcat	36660
ggggctgggt	ccgcacgtgc	tgttcttgcg	cgaatgagt	agtctcgcca	gatctgatgg	36720
ttttataatc	gtctgacatt	tccggtttgc	gcgcattctc	tctcctgtcg	ccatgcgaga	36780
agggtgcttc	caccatgatt	gtcagtttcc	tgagggctcc	ccagctatga	ggaaatgtga	36840
gtcaattaaa	cctcttttct	ttataattta	cccagttctc	ggtattttct	cataggaggg	36900
tgagaacgga	ctaatacacc	ctgattgccc	aggtgacccc	atgactcata	tgcaagagca	36960
tggcagacca	cagcagtgcc	cagcgacacc	cagtgaagcc	ctgagtgcag	cagctggata	37020
cctgatgtga	gggtgagcgg	gtgggtagag	tagccagagc	tgccttgagg	agagaaggcc	37080
cgaggggggtg	ccgggcacag	accaggcaca	gaccgtgagg	gcttcagaat	ctgactcgct	37140
gcctaccccc	tgactaacga	cagatcccag	tcattccagc	tatgcacctc	gtcagaatca	37200
aaacagagtt	ccttttgtta	aaaatcctga	gaagtaaagc	caggaacatg	aaggggattt	37260
atcatgcaca	aaacctgata	tcaagaacta	tcacagaaga	ctgcaaacaa	ccagcttgca	37320
taatggcctt	cacaaccttt	cacaaaaaaa	tacttctgca	aggacatctg	cccagcacct	37380
gcctgtccat	cctcaaactg	gtgccactca	tatccttgat	ccttgtagcc	aaggatgaat	37440
atctcaaaac	aatcctgtga	tctctcctct	tttttcttta	aaaacctttg	tcttcttcca	37500
cctttctaaa	ttcacacata	gtttcctctg	gcctgcttat	tccatttgca	gtacctatct	37560
ccaaagaaaag	ttcattttat	tttagggctc	tctgttatct	gttatgcaat	gtcacatagt	37620
ggtatcagaa	gtgggactga	agtgaactca	tcttggtatg	atcagtgtct	cctggaatct	37680
aacactgcat	tgactgagcc	ctctgcagac	tgcctttcca	ggagtgtgct	ttctgttctt	37740
gtggggaaaa	gaaagagaga	tcagattggt	actgtgtctg	cgtagaaaga	agtagccata	37800
ggagactcca	ttttgttctg	tactaagaaa	aattcttctg	ccttgagatg	ctgttaatct	37860
gtaaccctac	ccccaacctc	gtgctccctg	aaacacgtgc	tgtgtcaact	cagggttaaa	37920
tggattaagg	gctgtgcagg	atgtgctttg	ttaaacaaat	gcttgaaggc	agcatgcttg	37980
ttaagagtca	tcaccactcc	ctaattctca	gccactccct	aatctcaagt	accagagac	38040
acataactgc	ggaagactgc	agggaccact	gcctaggaaa	gccagggtatt	gtccaagggt	38100
tctccccatg	tgatagtctg	aaatatggcc	tcatgggaag	ggaaagacct	gaccgtcccc	38160
cagcccgaca	cctgtaaagg	gtctgtgctg	aggaggatta	gtaaaagagg	aaggaacgcc	38220
tctttgcagt	tgaggtaaga	ggaaggcttc	tgtctcctgc	ttgtccctgg	gcgatggaat	38280
gtctcagtgt	gaagccgatt	gtatatccat	ctactgagat	aggggaaaac	cgccttaggg	38340
ctgtaggtgg	agacgtctgg	cagcaatact	gctccttaag	gcattgagat	gtttatgtat	38400
atgcacaaca	aaagcacagc	acttaattct	ttaccttggt	tatgatgcag	agacctttgt	38460
tcacgtgttt	acctgctgac	cttctctcca	ctattatcct	atgacctgc	catatcccc	38520
tctccaagaa	acacccaata	atgatcaata	aatactaagg	gaactcagag	gccgggtggga	38580
tctccatat	gctgaacgcc	ggttccctgg	gccccctttt	gtctttctct	atacttttgt	38640

tctcttttctt	ttccaagtctt	ctcgtttccac	ctaacgagaa	acacccacag	gtgtggagg	38700
gcaaccccc	ccttcatgtt	ctggtgaatc	tctcgaata	ctcagactcc	ctcccttttag	38760
tcagttcctt	tttactttat	cctggatctg	ttttggttat	aagcctccct	taaacaaagg	38820
accttgcatc	cttcttgga	gtatagaggt	tggagttttg	tttttggttg	gggtgtgtgt	38880
gtgtgtgagg	cagtcttgct	cggtcaccca	acagagtctt	gctctgttgc	ccaggctgga	38940
gtgcttgga	ggatcacggc	tcactgcaac	ctctctctcc	caggttcaag	cgattcttgt	39000
gcctcagcct	ccctagttag	tgagactaca	agcgtgcacc	accatgtccg	gctaattttt	39060
gtattctggt	agagactgga	ttgcaccacg	ttggccaggc	tgatcttgaa	ctcttgacct	39120
caagtgatct	gcccacctcg	cctcccaaag	tgatgggatt	acatgggtga	gccactgtgc	39180
ccagccagtt	ttgttttttt	atttgcttct	ttgcttttag	caagcacttt	ctggtataaa	39240
cagaagtgcc	cttctggttt	gagggctctg	gtttctacag	aattttattt	ctgtctaggc	39300
ggcaagactt	ttctggtgaa	ttcacttttg	tttctgcatg	cctggctgaa	tattttgttt	39360
gatgtgcaca	ccttggttga	aattttgtga	gcactctgat	tttggtttgg	tttcccacgt	39420
ctgtaaatga	tttggttcat	tttttttcat	gcttgtgaac	atctcttgat	catctgatag	39480
caaaaataaa	cataaatgat	ttggtacct	aggaacatt	taaaaaataa	taataataa	39540
aatgtogagt	cgaggctcgg	cacaatggct	ccgcctata	atcccagcac	tttggaaagg	39600
caaggtggga	ggatggcttg	agctcaggag	ttcaagacca	gcctgggcaa	cattacaaaa	39660
ccctgtctct	acaaaaata	caaagattag	ccagtcatgt	tggtccatgc	ctgtaggccc	39720
agctactagg	gagggcagg	tagggggcat	tgcttgagct	caggaggctg	aggcataaga	39780
attgcttgaa	tctgagaagt	ggaggtcata	ttgagctgtg	atcgaccac	tgactccag	39840
cctggttgac	agaatgagac	cctgtctcaa	caacgacaac	aacaaaacaa	tttaaaaaa	39900
tgggtatgag	atagccaatt	aaaagaact	agggcatcac	taccttaaa	tacttgtga	39960
aactccagga	tttataggat	tttctttgct	ctcgagatta	ataaгааagg	gaatggcatt	40020
ctcaaacatt	aacagcgacg	tacatggctt	ttcctcatgt	acattttaaa	atcagtgga	40080
cgataggaat	catttgaact	ccccagttt	gttttttctt	tatactgaat	tttaaaattg	40140
ccaactacag	agttaaattg	agagccttct	aagttctcta	cttctctctc	tcttttttct	40200
gcctacttga	aatctgctga	catttctgct	ggtattaaga	taaaccaca	atatcacatt	40260
ccagccaaga	taaaaaacca	taaggaagag	gtcttaaaag	gttttcaaat	taatggttct	40320
acaaattaca	acagctccat	ggccaaccca	caacctagac	gccttttgga	aatgtaaatt	40380
taggtttacc	tgtctaacag	ttgctttggg	tgatggacca	gtccatggaa	ggactgctat	40440
tagaagaagt	agaacgagag	aaatgtttat	aaaaattagg	ctctcagatc	aaagaggcca	40500
aaattgtgag	ctcagagcaa	taataaaaag	gatttctgcc	cagcataaaa	attgctttgt	40560
ctgctacaca	gggccagaag	aaactaaaaa	aaaaaaacct	gctaaaatgc	ttccctacct	40620
gcgtggaact	gtcaagcaaa	taagagtggc	aaacaaaagc	aattagttaa	ggacttcaaa	40680
actgcttggt	gattttcttt	ctctaataaa	atccaggcag	tcctagttaa	aatataaaca	40740
tttaatattt	aaccctctaa	ctcatttgaa	actgaaaaag	ggaaaaggta	cgatcgaaga	40800
aataaaaaatt	aaagacaaac	aaaaaaagaa	accaaactgc	tttaccctaa	attttggttc	40860
acagcccctca	taagatttgt	cataaagaca	aatgcacaat	ttaaagttaa	gctttgagac	40920
ctctcccctca	ttctcagaaa	tctcattttg	atctcatctg	gtcttataaa	ctctgtgagtc	40980
tgtattagta	tgttttgctg	tctcatgacc	gaaacgctca	aatgaaagcc	ataaggctct	41040
atttgtgtgt	atctatgttt	atgtatgttt	ttgcatgttg	tatgttatgt	ctccaatttg	41100
aaatctggca	caataggcca	gaaatttctt	aaggaattat	attcagttta	acttagatta	41160
attaaacttg	ttaaaatata	tagtgagcag	ggcatggtgg	agcatgcctg	tattcccagc	41220
tactcagggg	gctaaggcag	aaggattact	tgagcccagg	agttcaagg	cagcctgagt	41280
gacatagcaa	gacccacttg	ctaaaaaaa	tatgtatata	ggctgggtgc	gggtgcaaac	41340
atctttagtc	ccaccatctt	gggaggctga	ggtcgtgtga	ctgcttgagc	ccagtagctg	41400
gagttcgaga	taagcctggg	caacatggca	aaaccccatc	tctataaaaa	aaatacaga	41460
attagccagg	catggtggtg	tgtgcttgta	gtcccagcta	ctagggaggc	tgaggcagga	41520
gaatcacttt	aacttgga	gtagaagctt	ccatgggctg	tgattgtacc	actgcactcc	41580
agcccggtg	acagagttag	accccatctc	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	41640
tatatatata	tatatatatg	cacacacacc	tgtgtagata	catacatata	taaatacatg	41700
tatacatatt	acatacatat	acataatata	catagtaatg	aacccaaata	ccttttagtt	41760
catgcgattt	aactacatct	ttgataataa	agctggtttt	aaattttgtg	ataaaaataa	41820
aatagaataa	cttttagctt	tttcttttct	tttctcattt	cttccctctc	tcttctctcc	41880
tccctccctc	ccttcttctt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	41940
tttttttttt	taaaaaaaa	aaaaaaaaaa	aaaaaaaatt	tttttttttt	tttttttttt	42000
tttttttttt	tttttttttt	tttctttttt	ctctctcaga	gcctctctct	atcaccagg	42060
ctggagtga	gtggtgcaat	ctcggctcac				

gtctcagttag	gatcatacgt	gtctctgtcta	gatgcttcaa	ggctcctaaaa	ctgtattttta	42480
tttttttattt	tttgtgagac	ggagtctcac	tctgtcgcgc	aggctggagt	gcagtgggtgt	42540
aatctcagct	cactgcaacc	tccacctcca	gggttcaagt	gatttttctg	cctcagcgtc	42600
ctgagtagct	gggattacag	acatgtgcc	tcatgccctg	ctaattttttg	cattttttatt	42660
agcgacgggg	tttcaccatg	ttagccaggc	cggctctcgaa	ctcctgacct	caagtgatct	42720
gcccacctcg	gcttcccaaa	gtgctcagat	tacaggcgtg	agccactgcg	cctggcctaa	42780
ggtcatagaa	aaacttttaa	cccaacctaa	aaacagtgat	ctttgtttgt	gtagttcttt	42840
gataaataaa	actaatttag	tattgtcgtt	ttaagttaaa	cagctctgtc	ttaggagtta	42900
ctggcaaaat	atccatgtat	ttaaacttaa	gcttcttaag	tgaacacctg	agagtacacg	42960
gctatgaaaa	tagtgaacaa	gaaaataccc	ggaaatgagt	actagctttg	tgtaatatct	43020
cagtattcat	aattagtggg	ggtataattg	ttaaaaatat	aaattaggta	aatgtaaata	43080
ggatgaatgt	ctataaatga	gcttttcata	gaatttgaaa	tcttttttttc	ttttttttttg	43140
agacagagtc	tctctgtctg	cccaggctgg	agtgcagtgg	tgtgatctcg	gctcactgca	43200
atctccacct	cccgcgttca	aatgattctc	atgcctcagc	ctcttgagta	gctgggatta	43260
caggcatgcg	ccaccacacg	cagctacttt	ttgtattatt	ggtagagacg	gggtttccac	43320
atgttgggca	ggctgctctc	gaactcctgg	tctcaagcag	tcttccacct	cagcctccca	43380
aagtgtctgg	attacaggca	tgagccactg	tgccctggca	gactttgaaa	tcttaaagtc	43440
atgtttatgct	accttaactg	acaaatactc	attaaatata	ttggtcattt	ccaagtaaga	43500
gaaaacacaa	aaacataaat	tgctgaacac	aaatatgttt	gtttttggct	tcttcttttt	43560
ttttttttttc	tgagaccaag	tcttgctctg	tgcgccaggc	tggagtgcag	tggcgcgatc	43620
ttggctcact	gcaagctctg	cctcccggtt	tgcgcacatt	ctcctgcctc	agctcccgga	43680
gtagctggga	ctacaggtgc	cogtcaccac	acccggctaa	ttttttgtat	ttttagtaga	43740
aacagggttt	caccatgtta	gtcaggatgg	tctcaatctc	ctgacctcgt	gatccacctg	43800
cctcggcctc	ccaaagtgct	gggattacag	gcgtgagcca	ccattggctt	cttcagtttt	43860
atggaactac	caaatttata	ggggttaata	cacataaaaa	ttatgcgatg	gggaaacatg	43920
tttctaaaat	tataaattgt	tccctactgt	aaaatactaa	tatgtgacag	tcatttaaac	43980
tttttttgct	tctaagtgtt	tcactacaaa	ttaaggttgc	taagaattaa	aaattcta	44040
taattttatac	aattctgtag	acaaagtgt	cagaatatgt	atgtttgatg	agaaaaacta	44100
tttaaaatgt	gtaaaaacat	gtttttgttt	tatttgagtt	ttttgtatat	ttaaaaatta	44160
tttttaacttt	tttttaatta	aaaaaaaaat	agaaatagga	tctgtctacg	ctgccagcc	44220
tggctctcgaa	tttctaggct	caagtggcca	cctcccaaag	tgttgagatt	gcaggtgtga	44280
tccactccac	ctggccaaaa	tgtgttttca	taaatccaaa	atatggattt	atgaaagaaa	44340
taaaaacagg	atagaaagga	acccgtaagt	aggacagaaa	tgtgaggaaa	ggtatgaaga	44400
tatatttttg	ataagtacag	ttaaaagaaa	aaagaataat	ttggaatgag	aaaggatctt	44460
gtaagttttt	gtgtcctaaa	gtaaaatgac	ttgttagcta	agaaaagggg	agtttaggtt	44520
aaagcagagg	cctaagcatg	tcatagaagt	gctaagtc	gaaggtgtgt	tcggtgtgagc	44580
ccagatcgtg	ccactgcact	ccagcctggg	caacagagag	agactctgtc	tcaaaaaaaaa	44640
aaaaaaaaaaaa	aaggaaatgc	ttgaggtatt	tctattttat	caaccaattt	aaaaccagct	44700
tattttatcag	agatgtagtt	aatcacatg	aactaaaagg	tatttggttc	attactatgt	44760
atatatgtat	gtatatgtat	aaaacagagc	tgctttcaat	aaaccagcaa	tactcaacta	44820
gtttttattta	tcaaagaact	acatgaacaa	agattactgt	ttttaggttg	ggtttatagt	44880
tttatgacct	tgaaacatct	agcagagaca	catataatgt	cttcccattt	ttttgggaag	44940
gatgaatttg	ggaaaggaat	ttttgtatgt	gatcaagtgt	gctaaaatta	gaaggaaatt	45000
atccagagt	ctttctaaag	atggagcttt	catattaaaa	ctacactggt	attctcatct	45060
gaaggtccta	ggagagttaa	aaaaacaaca	aaacaaacct	acgctgattt	aaaaactaaa	45120
aattttggtcc	cctatgttag	taccacaaga	tatccttgaa	atatagatct	gctttttatt	45180
ttattttattt	atttttgtaa	tagagtcttg	ctctgttgcc	caggctggag	tgagtggtgg	45240
caatctcagc	tactgcaaa	ctctgcctcc	cgttccag	gattctctctg	cctcagcctc	45300
gggtagctgg	gattacaggc	acgtgccacc	acacgcagct	aatttttg	tttttggtgg	45360
agatggggta	tcaccatggt	ggccaggctg	gtctcgaa	cctgagctca	ggtgatctgc	45420
ctgcttcagt	ctcccacagt	gctgggatta	caggtaggag	ccaccgcgc	cagctctaat	45480
actgcttttag	ttaactccaa	agaagcatta	atttttaatt	ctgtgtttaa	cagcctacta	45540
aatgaagct	ttcatttttt	tttttttttt	tcttgagaca	gggtctttgt	gtctcatcca	45600
ggcaagagtg	gatccctcca	aaattcagac	actattcatg	agtattctta	tgacaacatg	45660
gttattttgaa	gtttaagaat	ttgtctctct	tttatatagg	atacaattgg	aaacattggc	45720
tatattacca	aagctttgat	tgcaatatat	ttgtgaatat	gcatagaatg	cctggcttct	45780
ggggttccca	gccttacagt	gagcaactaa	aaattgtcac	ttcctggcag	gcccaggaaa	45840
cttcagactg	cagaaaaaaa	tct				

caggagggcag	aggttgacgt	gagccgagat	cgtgccactg	ccctccagcc	tgggcaacaa	46260
agagtgaaac	acggtctcaa	aaaaaaataa	aaggggaccc	gctttgttcc	taaagagagg	46320
aacccacag	gacagggcta	ggagacagt	acatggacag	ggactgcagg	atcaaggctc	46380
atggagtgtt	tggggccact	gggacacctg	ggaacagggc	cccatggagg	ccagtggaat	46440
cccagagcag	ggagtgaatc	ctctccccc	acacctgtg	agtgaccctg	ctggagccct	46500
tcttgtctct	gggcctcagt	tttctcatct	gtaacatggg	aataataaca	ggaccaacca	46560
acctcttagg	gctgttgacg	ggtttgtata	aggccatgct	gtgaaaatcc	caagtggcag	46620
caagtctggc	acagagcagg	gcctcagccc	ccgccccctg	tgcatacaca	caaacagatg	46680
catatacaca	tgcacacaca	catgcataca	cacacgtgca	tgcacacatg	cacacagata	46740
tgcacacatg	cacacagata	tgcacacaca	catgcataca	catgtgtata	cacacatgtg	46800
cacacccaaa	acacacaggg	ctcgctcctc	aaggggacct	cactgtgcct	cagtttgccc	46860
atctgtaaag	ggggtgatta	tagcccttac	tgcatgacgc	tgtgtggag	ctccgtgagt	46920
cagtacctgg	aggatgccta	ggactgggct	gaacttagcc	tgtacagccc	cacagggagc	46980
tgagtggaga	aggtgggctt	gggtgttggg	agcagagggg	gcagcatggg	aatccagggg	47040
ttcttaaagg	tctaggtgcc	tgtcacccat	gaggaggccc	caaggggtcc	ctgaagaaca	47100
gaggcaccga	tctcctcctg	cccggtaagg	gagcagggct	gaggccagga	acaggccagt	47160
gagagctctg	acaagccggg	gagccttcag	tgtgacagcc	aaggaccagc	agagcccgag	47220
ctgtctaagg	acccggggcc	gcactcaggc	ctgggcgagg	gactgcacctg	gggacttctt	47280
gaggtttctc	cgactgtatg	gagctcacca	gggaaaacat	ggcggatgcc	tggattcatt	47340
gcccagctcc	gagctcagca	caaaaactcc	ctcttgaac	agtctagaaa	gaggctcacc	47400
tgaggcccag	caccacaggg	ccatgatgtc	acgtggggca	aggcatctga	ggggcagggg	47460
ccttccccat	ccactgtctg	ccatggcccg	tggccacta	tgcctgccc	tcctgaccca	47520
ggagcccagt	gcgtctctgt	ggggtgggag	gagcgtcagc	aaaggagagg	ctgcacaggg	47580
cgcttccagc	agtgcaggga	aaccaagagc	aggaaaagca	accctgctca	gccctgggag	47640
actcagacag	gaaagggcct	gagcccgagg	caaccaggag	gcggcagcct	tatcagggag	47700
gccgtgtctg	gggcctgagt	gctgcttctg	cctcatcca	actgcagcgg	gacagaggca	47760
caggcaaaagt	gggggcctgg	aagcaaggct	tctaaggttg	caacagtgtc	ccagcccagc	47820
caggcgggtg	ctgcaggggc	ccatgcgtgt	gcgcctgtgc	ctgtgaccag	cctcagggcc	47880
taggggagag	gagcagacca	ggggaaaggc	tctgtcctg	gggggtggcc	gggcaggtgg	47940
agagccaggt	tcagatgggt	gaccctgggc	tctgcagctg	ctgtgatcct	ggcagagggg	48000
aggaggcgcc	ctcggcagtc	aggagcagga	tgatggtagt	gacaaggccc	tgtgtggag	48060
tgagcctccc	agcctaggaa	acctggctct	ggcctcccct	gcagcatgtg	atgtttggct	48120
ccagaggcct	tctcctctgg	gcttttccat	gcctgtgaac	tgggccccat	tcatttccct	48180
gtggtttcat	ggaaacgtcc	agtgcattca	ggaggttgca	gtgtgccagg	gaggagaggg	48240
gtcagcgaga	ggcccagagt	gtgactgggt	ggccaccagg	agggccaggc	accctctgct	48300
ggagactggc	agcagggtgc	atggccagct	gtgggtgggg	gtccatcagt	caagcagctg	48360
cactttctcc	ccatccccct	cccgcacca	ggaaaggtgc	tctgcctgcg	gctcccttct	48420
tccaggcctc	cactttccag	ctcccaggct	cccagcccca	cccggcctgg	cctggaacag	48480
ggctgccacc	aagatctctt	ccactttccc	tcccagcag	cctgcaattc	agtgtccgt	48540
agaccctgc	ctcccggggc	cctgcgggtc	ccaccacact	acactcaatt	tccagctgct	48600
aagaacacag	caggttctac	gtaaaggtgg	ccgtcacctg	caccccatgg	gctgcccgcc	48660
catggagaac	gggccatggt	tgggtacaca	gcttctgaga	caggcccagg	agctgccttc	48720
atggcctcgg	cacagcccag	ggctctggag	cttacaggga	gcatgtgcc	aagtgtgga	48780
aatttggctc	gcagaagaaa	tgaggctgaa	attggctggg	agcaattctt	atcaaagcca	48840
cgtttagcgt	tttcagcaag	agctaattga	acaagctctg	tgagtggcct	cattccatta	48900
gcaggagcct	cccacagagc	gtgacaaggg	ccctggtggc	tgagggcaga	aaaggctgtt	48960
tctgtcccac	atttgccctt	ggcctttgaa	aatggacaca	ttttcagctt	tgggcactgg	49020
tctgtctcct	ctgcccgggc	tcccgtcat	ttccaaagcc	actctctgag	tgtcctgtgt	49080
ggggaagggg	tgaggtgagt	ttctcagcac	ttcagcaggt	gcgtggatct	gaaacaggac	49140
agccttgagg	acacgtcctc	cttgccaggc	agggttgaga	ggccaagtgc	agaggagctg	49200
agagtctgag	ggccaggcct	gagcagtcta	ggtcaggaga	ttgggcccctg	ccttagcaac	49260
gtgcctgggc	ctgaggagag	accacagctc	ggcccagctc	ccctcgactc	ctctggagcc	49320
atggagtctc	cagggagggg	acaggaggca	gctgggtgtg	ggccaggcca	gagctgagct	49380
gatggaacct	gaaccccact	ttgtgggggt	gccatgctct	ctgctttctc	ctctctgctg	49440
tgcccagtag	actggaaaag	atagatccag	gggtgcagtc	ctctgacctg	agctccaggg	49500
tcacctgtct	ggcctccagc	ctgtttctct	catgctaggg	ctgtcagggc	aagtgtctga	49560
cctgggcccg	cagggcgctg	gtcaaggggc				

gtgagctcct ctgcagata

49999

<210> 19
 <211> 49999
 <212> DNA
 <213> Homo sapiens

<400> 19
 cattccggcc tttgggatgc ttcagacagc aagcaggaag cagacagaca ccccgcatct 60
 cccccaggcc aactccggcc gcatcagcag caacctgggt gggaactgtc cacacctgcc 120
 agtctccctc cctccgtcct cttgggtttc tgaaccagcc tctccagccg cactgccact 180
 gcgacttact ccttctggcc aaatccaagg gccctgtgca agccctgtct cttcttgcca 240
 gctctcacac tggggacaac ccgcaggctc ctctgaagtc ccagagctgc ttctcgcca 300
 cttcctactg cctctgcttg ggagcttacc agctcctgcc ccgctgtgcc cagttgggaa 360
 gagggcgccc ttgtggcccc cagtctccag ccttgctctt tcttttcttt tttgagatga 420
 agtatcactc tgccacccag gctggactgc agtggcacia tcctggctca ctgcaagctc 480
 tggcttccag gttcaagtga ttctcttacc tcagcctccc gagtagctgg gattacaggc 540
 acccgccacc atgcctagct aatttttgta ttttagtag agacggggtt tcaccatggt 600
 ggccaggctg gtctcgaact cctgacctca ggtggtctgc ccgcttggtc ctcccaagtg 660
 ctgggattac cctgctcttt tttgcttctt ggggctgctt cttgggagcc ttgggctgct 720
 cagctttcat cccagccatg cctgctctct ggtccagcct ccgtccctca ctgtgtcctg 780
 cttaaggctc ccgtgcaaag tccttccctt gttccaacag ccttccccag ctcccagaaa 840
 aggtgccggg tgtagagtgt gacaggcacc aggtgtctcc tgtgcccctc ctggcgagc 900
 ccttcagtct ccccttgaca cagtctgccc ttgacttctt attttccaaa ctaacctgat 960
 gcttttcttt atttgtttgt ttttttgaga gggagtctcg ctctgttgc ccaggctgga 1020
 gtgtgatggg gcaatctcgg ctacccgag cctccacctc ccgggttcaa gcaattctct 1080
 gcctcagccc tcccaactag ctgggattat aggcgcccac caccatgcc agctaatttt 1140
 tgtattttta gtagagacgg gaggtttacc atgttggtcc ggctggtctc gatactcctg 1200
 acctcagggtg acccaccac ctgggctctc caaagtgtct ggattatagg tgtgagccac 1260
 tgtgcccagc ctgttttgtt tgtttgtttt tgttttgttt tgcctccgtg actttgtctat 1320
 ctacccctt tcctataaaa cagtcttctc tcaccatctc ttggaattag tctggcactc 1380
 aggaatgcac ctctgctggt gaggctccag gaagttaggg ccaggccct ctggtgcagc 1440
 agtgcagacc gcggcctggg ggtggggaga ctgtgtgtgg ccagtctttt attttttatt 1500
 tattttttta ttttttacac cttaggcttt gacccacaca gaaagagatg gaacagcctg 1560
 ggctgcaggg gcctggaagg ggacgagcat gtgggtggca ccacgcgggg cagctgcagg 1620
 ggcagggggt gcctgttctc cttctcccg tctgtctcca agggcacagt ttggtgaccg 1680
 cagccactta ggggagcctt gaggatgcaa aagagagtga ggacacaagg aactagcaa 1740
 agcctagctc tgaaggagga gggatgcat gctgggatgt cgcaccgtc ttgtctgagc 1800
 ccaagggtgg tgcctggtcc acccgtgggg agcaggagg agagaggaca gggccctggc 1860
 tgccctctggc ctgcttgagg atgagctccc tcaggcggag cttgacagta tccacacgcc 1920
 cagcagcaag catcatcatc agaaacacgc agcccagagc tgtgtgcca gcagaacagg 1980
 gcactgggac agggaccag ccttctcagc tcctgaattg gagcctggca tgccccact 2040
 tagagtctt cattctgtgc agatgcactt ggcacttaga gtgggaccgg agtccacgac 2100
 acggcatgga aggaatggc ccctgtgatc aaagaggctg tcacagacat ggcggctgag 2160
 tgcctggatg ggctctgaat gggatgtcaa gaagcaggtg gcaggagatg ggtggaggga 2220
 gggcaaagga cgatgatgct cactgctggg cgtgtggaag gggaggggag ctggacgcag 2280
 aacctcattc cctggaggta ggactgagcc catgacgggg gagccgcaga gggcccttcc 2340
 agcagaggga tgggaccagc tttggcgtga aggcgcaga gcagagcatg actaggagg 2400
 ccacctggta aaagagacgg aggctgggac aagactgggt cccttgctag agggaggcca 2460
 ggagaagctt ctagaaatgt agctgcgtgt ttagcccaat tcctagagtt ggggcaacca 2520
 tgccagtcac aacataggac gtgttacaat gatgtcttat ttttttttca aggccaggca 2580
 ctggcacatt gcttccctat ttacaggct ttgaaagaaa tggagattct gaaagcttaa 2640
 ctaatttatc tggcaaggca tggctctcga cctgtgtaat ccagcactt tgggaggcag 2700
 aggcaggagg atcgcttcag cccaatagtt ggagaccagc ctgggcaaca tagtgagacc 2760
 tcctctctat agacaaaatt agctgggcaa ggtggtgctg gcctgtggtc ccagctactt 2820
 ggatgctgag atgggaagat caggatcact tgggccacca gggagggtga ggctacagt 2880
 acccgaggtc atgccaactg actccaacct gggcaacaga gcaagacctt gtctcaaaat 2940
 taaaaaaaaa aaaagtttga aatcacgcag cgagagtggc agggctggcg ttccagcatc 3000
 gtctttaaag atgtgacagc aacaggctcc acttgagaca gcaggaacgc ggcacccagt 3060
 gctgcctctg cacaggcccg atgcttgctg gaaccttaaa ggcaaggag acccgatcat 3120
 aaacgcagta agagcgcatg tttcatggga ttgatgttga tgctggtgtt ccatgcgagc 3180
 cactgaggag aagccctctc ctcaatggca gggccatgag aggtgaaggga cgccctcca 3240

ccccccccc	agacaggtct	ttcctggcca	cagatgcccc	agatccctga	atgtcaaaat	3300
caagtcccaa	tctcccagtt	gagcagagaa	acattcagat	ctggttcctc	cgtgatcagg	3360
gaaggcaggc	ttcctctgaa	gcgcagatgg	cttcacccct	ttctcatctc	atcacctcta	3420
agccctgcca	gggcgagagc	agcctttccc	agcatcgtec	tttaagatgc	aacagaaaca	3480
ggtcccacct	gagccagcag	gaatgcgga	cccagtggtc	ggctctgcag	tcttgatgct	3540
cgccggcacc	ttcaggggtg	aggacgccct	gtcgtaaaacg	catgaagagc	cctgcgtttc	3600
atatattgat	gttggttgctt	tttctttaga	ggaacgtttg	tgcactgtgg	gaacctctgt	3660
ctctaccagt	gtcacccttg	ctgtggggag	tgtgtaccgt	gtgcgggggg	ctgggtggcct	3720
ttctctgctg	tctgccacag	cgtgtgaggg	gctcgctgag	cctcacacct	gccctatcct	3780
tccccatccc	ctcctgcccc	ggggaggcac	agaccaggg	aggagggtg	ctgggaagtga	3840
gtgctgagga	gctgggggtc	tggccttgca	gccactgtca	caccacagcc	ccaccccaga	3900
cctccagagt	cgtgggactc	cggtggcaca	agctccagaa	gcttgggtcg	tgccaggtct	3960
gggaccgag	ccccggtctc	cggagccctg	gcttgctggt	ctggaagggtg	atgctggctg	4020
gcagccattc	ccagcccttc	ggagagcagt	tgtcaggcag	tccctgagct	ccagcgcccc	4080
attcccagca	gggcccagtg	atctcatgcc	tgtgcccctg	gtgctgggag	gagcggggtt	4140
gcactagggc	cgggtgtccac	atcagaggag	gaagggtctga	agccagggca	gggggacagg	4200
cacctccc	tccagcggcc	ccagtgccca	ctccattcct	tcggggctcc	cgtggccccag	4260
agtgtggagc	ggcgcggcct	gaccacccag	gatagcttgg	ggcgtttcgg	agggttggct	4320
gcctaggctg	tgcacctagc	actgctcccc	aggagaggga	gggaggaggt	cagagttagag	4380
ggccctgctg	accaggtcac	tgtcacagct	tccatctctg	gcctcggtt	ccataggag	4440
cgctaggct	ctaagctgga	gctgccccat	ccaggacct	tggggaggaa	gaggctgggc	4500
ggccactg	ggcccaccag	ggaattgaca	gggtggggga	ctgtggagcc	tgtgctggcc	4560
gcagatgaga	gccctgaccc	ccaccttccc	tacccaccc	accctgcacc	gtccagctca	4620
gttctctgac	ccgtgggtgcc	aggteccatt	tgcaatggcg	aatactgaac	tgggtgcaac	4680
cctggctgct	ggcagctggg	cttggcctgc	accttctctg	cccagactc	cactggggac	4740
ctcccttcca	gccatcccag	ggcgtcacca	ccacagccag	gggccagccc	caccttcatt	4800
cactcttgct	catagcctac	ctgttcactc	tgcccccatc	tgtacctgc	agcatcagaa	4860
ggacatgagg	gcaccagaca	gccccctgcag	ctgtcctcaa	acatcatggc	caaggctgcg	4920
cctgggaagc	ggactctctg	cagtgccagc	tccctcctca	gtgccttga	cctttatctg	4980
ggtccctgct	tgatgtggcc	caactggctg	ggccagagcc	ccacaggcg	tgtcccgacc	5040
ccccccccc	tagagggag	gagaggctga	gacggcaagg	gaagcagaga	ctcagccaca	5100
ccaaggggcc	tggcaaggtg	ggcctctcct	ccaaagcctc	accaggcttc	acgttcaagg	5160
tcaccaagag	tgcactgtt	cactgtcgag	ggcagagggtg	actcctggga	ctgtgctggg	5220
ggtccaggg	gagcaggtag	cggagttgcc	aggggaagcag	cttgctgag	gtctgtggtc	5280
ttggcagggg	cttcgcgagc	ggccccaccc	tctccctttc	ccctccctcc	tgtccttgtc	5340
ctcgtgttta	ctgaagatca	tgagaaggga	tgtggagagc	gcctgcagga	actgagagca	5400
ggagcctggc	tcacccccaa	aggccccccag	acattcagtt	cctaaaccca	taggggtggg	5460
catgggcaca	gaggagaaac	cggggcccgcc	cggcacagcc	ctgctctttc	accctgccc	5520
cctggtggcc	tccttagcct	gcagcctcgg	agcgacccag	tatggggaca	tgtgtccacc	5580
tgtgtggcc	acttcaaaat	gcaacccagg	gtcgccctgg	aggctacagg	tgtccctctt	5640
ccccaggcc	tgcaactggg	ctggggaa	ggcaccagg	aacagcccag	gtgctcctgc	5700
ccaggaggat	tgtccgactg	cgtggggaga	aagtccagaa	ccgtgcttgg	cacatggtaa	5760
tctttgtgga	atgagtgaac	aatgaatga	atgaactatg	catctgatgc	ttttcggtga	5820
tgatgaccca	accaagatag	attacatgag	ccattttcca	gcaggaaactg	ggactcctct	5880
tgggctgaca	agatgtaagt	atgaaatcta	aataagattc	caatggcact	agacagtgac	5940
acacgtgacc	ctagctataa	atgcccattg	aagagaattc	tgtctgacat	tcaggggaaga	6000
cttgagagcg	ggcaagggga	tgggattgat	ggcagaagt	agactcacag	gacacgtgtg	6060
ggagacccct	ggctggccat	gttgggggag	gaggggcaac	aggaaagcag	cgcctggatc	6120
tcgagggact	tggctggctc	agtccctcca	tcgggagcca	cattattcca	cagcagatgt	6180
tgagtctaac	aacgtccaag	tacagcaaa	ctggagcaac	aggccctgaa	agggtgactc	6240
cagggtctca	ccccaccctg	actccttccc	tctctgtgcc	tcagactctc	ctgtctaccc	6300
tcagagaccc	tgtcgggag	cttccctcca	acaaggcacc	atccccagg	agaagggagc	6360
ccagcactcc	tggccctgtg	gggtcctcag	tccactcacc	actgccacat	gccccaggga	6420
gtcctcggac	taggacctgg	gccggggccc	cctgggttcc	tatggcctgg	gcgagcatgg	6480
tgcctcttta	cagcctgggc	tgcccagagc	ttcaggcat	cctgtcattc	agcagagatc	6540
tttctcgggt	gccttctctg	gattgggtgg	gctgtcgagc	tctggggctg	ctgccgtgaa	6600
ttattttaata	gatgggtgct	tcctgtctct	ccagggtccc	cctctgggag	agccagcaca	6660
ggagctaacc	agtacagagga</					

cagtctcccc	cgctcccggg	agcacactgg	ccccagaccg	gtgacctcta	cgtgcaagca	7080
caggccccca	ccgttcctgc	ctgctctgga	catggctggg	tggacggggg	ctgctccacc	7140
tctgccagag	ggtgggagag	gaggccgacc	ccaggcagca	cctaggaggg	ggcaccctga	7200
gcctcttgag	tttgagccgc	tgtctcctgc	ttacacttac	ttaaggacag	agtgccttgg	7260
agctgagggg	ctactgagac	ctcctgtcag	gctgggggtc	tggaggagag	acagggtccc	7320
atgtggcttc	ctgtcccagg	gaacactccg	cagcctccat	ccccacgtgg	agtccagaac	7380
cagctgtcag	cctctggcca	gtgtgggaaa	gaagcagact	tggccggggg	cctaggcctg	7440
ggcctgcagg	gaggtggcag	cctgtggggg	ggacagctgg	gcttgctctg	ggatgcctgt	7500
cacagcgcgc	caggctgagc	ttccccctg	caggggccga	gcatcctggg	accaggaccc	7560
cagaggaccc	tccgggtcagc	gggagcagtg	gttgctgatg	ggtcggctct	gggtcccggc	7620
ccggcccagg	gccagggaca	ggctatat	taggggctcg	gtcactcggc	agattcaatc	7680
tgttcacaag	aactggatgg	cttcagctga	cctcagtggg	tttattttct	gacacttcaa	7740
gctctgctgg	gtttgaagcc	atcagggcct	gcttgggcct	ggtcacctg	acctgcccc	7800
agtcacaagt	gtctgcccag	ccaagcacct	gtggcaccca	cagcggagag	gggctggggc	7860
gtgcctactg	ggctctctct	gttctacact	gcagcggctc	taggcctggc	agagaaggcg	7920
cagcagcccc	tgagtcccag	aactgcctct	ggctctgccc	tgctggggcc	cctcccatgt	7980
ccctgcctct	gacgccatca	cctccaagga	ggtagaagcc	aagctggagc	tccagagatc	8040
agagccgctc	cagagtttagc	cagagcccga	aaaggctgca	ttctcctggc	tgcctccca	8100
gggagctcag	aggcgccctt	gcccgggaat	ccgatggcag	agagttagca	ggtctgcggg	8160
gctcctgttc	ctcagcccgg	ggaactgggg	tggggacagg	acagagcagc	agcagagagc	8220
acagaaaggt	gtgaggggca	cacagtcccc	agtaacatct	gcatcaggac	accagggctg	8280
tcccagggct	gtcccaggga	tggtctgggg	tgtgggaaag	ccatggtccc	cacccatccc	8340
acccgaccct	gagccacctc	caccagccaa	gagggggccg	ggcccttcat	caacctcacc	8400
caggtcatct	ggggaaactgg	gccaccactg	agaacaaagc	ccagacatgt	ctgggagtg	8460
gctgtgcccc	cctccccag	agacttgccc	ccaacttaac	ccagggccca	gcaggggctg	8520
gaagggaggt	ggagttagg	agcggagcag	gtcaccatca	gctgcgccct	ggattccagg	8580
gcccgtgtgc	acagagtaac	gggagccggc	tgtctgtctg	gccaagggca	caggaggggtg	8640
agtggtgaca	gcagccagg	agcaagggag	ccagagagac	acacaggagt	gaccttgga	8700
ctctgcgagg	aacccgttca	ctcgtcccca	ggcagtagca	ctggccctga	caccagcccc	8760
tgaagctcg	gagactgcag	gacaaacagc	ttcaggggct	gtggccccag	ctgggacggg	8820
ctatgcgctg	gtccctagag	actctcggta	tctccccctg	ccccagtcct	gcctcctgcc	8880
cagcacaagg	gcctttggaa	ctcagccctc	tgtgtctcag	cccccgggag	ggtcaggtgt	8940
cagagacgag	aagggccgag	gctggcaggc	cggaaaactgc	ctcccttggc	tgctgtgggg	9000
tggagtacca	ggggacacag	aggtgctggg	gtgaagcgtg	gcttcagctg	cgtgggatca	9060
atgccagagg	ggatgaggtc	agctccgacc	aaaggtgtgc	ctagggtccg	gaggaagcgc	9120
caggagcctg	aggcctgtgt	tgacacgggg	aggaatggg	atcctgggct	ttcttgcttg	9180
cctcccactc	tagccaggtg	gagcaatgga	cttggcctcc	ttgaacaaag	accacagcct	9240
cctcagcttc	tgcttgtgtc	tccagcagac	agcgccctga	gcccccggtc	atacatggcc	9300
acaggcttcc	ccctcctcct	tcctgggcca	gagtagcagc	ctcagcccca	tgctggggag	9360
gggtagacca	gagacgggtc	cctcctggtg	gtgccagca	gtgactcagc	agcgacggca	9420
catgtctggg	ccattctcag	tgctgccacc	ttgagggcat	ttgggaggcc	caggcaggcc	9480
agatttgtct	cctggagaga	agtatgggca	cccctgggct	ctgcctgcct	cctggcctcc	9540
ccttgggttc	ccttgtacag	aaaggggcac	tggtcctggc	cctggctctc	cctggcttgg	9600
ctcagcagcc	agcagccgc	caggtctgtg	cacaccaagg	ctgccgatgg	caaagctgtg	9660
ggtggcatgg	gacctctggg	aatagtcgga	aagctctggg	ctggccaggc	tctgaccgc	9720
cccacagatg	gcactttact	tctgtctggg	gctgtctcag	gacctggcac	agttcgggca	9780
ctatgcgctc	atcatgcccc	tgtacacaca	cttcacccac	agtgggtgct	cgggtggcca	9840
agaccattca	gcgggtgatg	tggaggtcca	aaggtcgggc	gacccaagtg	taggggaacc	9900
tgacctgaga	actctctcta	tgggcccgtg	ctgcgggaagc	tgcagggggg	ctacagccag	9960
ccctggacac	agccgagagg	agggcgctga	cctcgggagg	ctgctttctg	ctgccctggg	10020
agctgggtgc	tggggctcta	atctgtcgtc	tgggggtggg	caccatgcag	ctcatcccc	10080
agccatcacc	attccccact	gcccgcctcc	caccctcatg	ccccatacaa	caccgcccc	10140
gaccccgccc	cctcttccca	ggctatagg	agcgactaga	catggcgccc	gataccctgc	10200
agaagcaggc	agaccactgc	aacgatggcc	gcactggcgtc	caagcacatg	aaggaactca	10260
gcaccggtct	cttctttggc	attctgttca	aggtgagccc	tccagcctgg	tgccctcac	10320
ctccctctgg	ctcccgaccc	tcctgggcac	ctgctcacca	ggaggcctcg	aggagcccag	10380
ggcagtgcca	ggaggtgcca	tggctgcagc	actgtccctg	caggagagtg	gccccctgga	10440
gtcagaagcc	atggtgatgg	gcgtcctgaa	gcaagccttc	gacgtgctgg	tgctgcgcta	10500
tggcgtgcag	aagcgcactc	actgcaacgt	gagtgccctg	ggagagcccg	ggggcgggcg	10560
gggcagccca	agccatcccc	cactggagg	gcacaggctg	tgatgggtca	cactccaccc	10620
ctcgctcccc	cagccctagc	acaaagccca	cctgatgggc	cttgctgaga	cgcccagctc	10680
tcccacctgg	gatggtggct	ccaggcccag	ggtcaggcct	ggcccccttc	cccaaggacc	10740
cagggaaccag	agagcaggcc	cctccatggc	cagtacagct	cggcaagggtg	tgcaggcttt	10800

ggggactgtg	tttataggaa	cgtgaaggaa	tgaaggcca	gcgaatggtc	cgtggccgct	10860
ctggaaactg	tgtccctga	agacaaggaa	gagagctgtc	cctggctcga	ctcctgccct	10920
gagtgactgt	tgactcacag	ttctctctcc	aaggggacat	gggcctgtcc	taatgctgcc	10980
ttaggggctt	ggctccagct	ggccctgggg	tctgcaggtc	accacctgcc	cctgtgccctg	11040
gctttgaatt	tcctaacatc	cagagtgtcc	tgggaggaca	gtgtccagcc	cgttgtgtgc	11100
agtaaactgt	gtgttcataa	ccgggagctg	ggcagaagag	gaacgacaga	gtccccctgc	11160
ggacctggg	ggctctgtat	cctgaagttc	aagcctagct	caccctgtctg	tgggccagc	11220
ctgcctgca	ctgacagatg	gcaccagcag	ggggcgcagc	gttcgcgcgc	cagagttctc	11280
tgtccccacc	tcagtgcagt	cagccctgga	cgccccacca	cttgccccca	atagcacaca	11340
gagccaagg	ccttcccagc	ccccaccctt	ggccttgggt	cactctcacc	tgctgcctca	11400
gccgaaggtg	gcctggcagg	ccctccctga	atctccctcc	agccaggcag	gggtgggcca	11460
gggccaagg	ccacctccaa	gcagtaaagc	cctccaagggt	ggaagggcag	gtggccccct	11520
ctgtgtccca	tcccccttag	tcttgccaaa	ccctcacctg	cctcctgcgg	tgccccctgc	11580
cctctttctg	gtccccctgg	ctcccccgag	actgcctcct	ggcgggtagg	gtttcaggac	11640
ccccaaagcc	tcccagctga	cccagacctt	tctgagggtt	cctgcttcct	ggcaccacct	11700
ttcttctctt	ggggacaacc	acagtggaga	gaggcagggc	tctgcctgtc	tgctaatgc	11760
aggggtgtctg	gccttctggg	gtcctttaga	gaacctgatg	aaagctatga	gtttacaagc	11820
aagaaattgt	ctggcaccgt	tttactaac	aacatgccct	gaaggtggac	ccgggccctc	11880
aggttgtgtt	ttataagcct	tgggagcgct	caggatgcac	ttgactcccc	agctctgccc	11940
tgatccagg	cattcatcct	ggagcaggcc	cccgttacag	acaggcgagc	agaggcttcc	12000
agaggccaag	ggagggtcct	gggggtcctt	ctgcagggcc	ggaggcagag	ttgcgcctcg	12060
tcacaaagcc	ctgccatctt	tgtccccctc	ctgccgggct	ctgcacaggt	catcaccatc	12120
ttcagcctgg	tgaagtggtt	cctgtgggca	cccctggccc	tctagtatat	tgctgtcctg	12180
aggcagccga	ggagagtggt	ccacctgggtc	cccaggaag	aggaggagga	tagggtcgag	12240
tttgaaaagg	aacctgaggt	ctgatgtgct	ggccaagctc	agccaaacct	tcctgccccca	12300
ccccgctagc	tttaggaata	ggacctgatg	acaccaaggg	ggatttttaa	tttaggtttt	12360
aacaactcaa	gggtttgctt	ttggttttac	ttttgcattt	tatttagtgt	ttgcagctca	12420
gtttttaaac	aaactgcagg	ggagaggatg	gagctggaag	gaaggctgag	acctggccag	12480
caatgagacc	ggttccccct	ctgcccgggc	cccactgcct	tctccagccc	agggaaatgg	12540
gccttttctg	caaatcagtg	tccgggaata	aaatcaagtg	tggagtggca	tctgggtgtg	12600
ggggccctctc	tgggaagctg	gggcagcgga	atgcccttg	caccaggggc	aagggaccca	12660
gtctcaggctc	cacccctcac	tgctgagcgg	atgtcaccac	ccggaacctt	cctgtcagtt	12720
ccagcacgat	tcagagtcgg	ctacgtggca	gattggtgcc	ggagtctcat	tctgcctgat	12780
taaaaatgga	attagtatgc	aggactgaga	gcgccccctg	caccttgacg	catgtgactg	12840
tgtccaaccc	tgccccact	tctctctctg	accagctccg	cagggcctgg	tgggggtcat	12900
aggctcctgca	acacctctc	cccgcagttc	cctggccaac	actctgaatg	gccttgtcta	12960
tacctgggt	ctgagtcagt	gccctggcag	ctccaggccc	aatcctgtgc	tctggggaca	13020
gaagcaggcc	tgggcctcgg	tggggggaca	agggtatacc	agtgccttcc	caacctggcc	13080
ccgttgccca	cccagtgctg	tgagcaccca	tggatccac	ctgccttggg	gcctgggcag	13140
agctggctgg	ccactgggca	ttcccttccc	cagccagcct	gaccccgacc	tgactctctc	13200
ccccctctgtg	ggggaagctc	cgtggcttgg	cgtccccgag	agctgctaga	aactaggatg	13260
aaagccatgg	tgagcacggc	ctctgttccc	ccgcaccatt	tcttgggggtg	tcgggattaa	13320
caagctcatt	tgatctggtt	acagtgaatt	ttcttcaaag	aaacactcaa	tagggtccct	13380
tgtcagagtg	cgtcgcagcg	cctgaatgac	agcgactggt	tatggctgcc	tttgttctgc	13440
cactgtccct	tggggctggc	tgtgggaggc	gaccaaagac	atcccacacc	tgccctggca	13500
gcctttccct	ctccagggc	tcagccacct	cagcgccct	ctagctgtgt	gtcctgtgga	13560
cccccgagat	gtcccagagg	ccacggctac	cccatctgtt	cctgtcccca	gaaccttctc	13620
ctggagccaa	gtatctgcag	ggacagacag	gcgagcgtct	gggggtttgg	tgttgggggtg	13680
gagaaggctg	tgggggtgatg	ccccagccca	ggcagcctga	ctgtgagagc	cccaaacagg	13740
agacatccca	gccccctccc	ctccccctca	cgctgccac	cctatgagga	gcagtggcca	13800
atttctctctc	tgggcttctc	aggccaggct	ggccttgtcc	cccagggcct	cccacgaagc	13860
atgggagctg	ttccctcaca	ggcagcacag	accgggacgg	acacctgtcc	ctatgtccca	13920
gcgcccccg	gccccagtaa	ggagtatgca	gggggtgaac	aaggggttcc	tgctgcctgc	13980
gcttgttttgg	gaagcagatg	ctgggtccta	agtttcttca	gagagcctca	ccttccgtgc	14040
tggccccaga	gcatggcggg	tccttgagac	tgtggaagcc	atggcagccc	cagccccccc	14100
caccccatct	ggggaagtgg	aaaccgtatc	cacgagggtc	aggtcaggtc	tctgcctcca	14160
gtgacctggc	aaggttgtgc	ccagccagga	cctgggctca	ggcccaggca	gccgccac	

cagagccctg	gcgatgctca	gaagccagtg	agtgtgtccc	aaccctgaag	ggtcagtagc	14640
ggccccctgg	acctaggggg	aagatggtgc	aggcagtgac	ctggcctggg	gaaggagctg	14700
aagctcccag	agcttgacgc	caccacactg	gggagagact	gacgcctccc	cagttcctgt	14760
taggaaggac	ctcaggaaag	aactggaatc	acacagactg	gggtggcagc	ctcctggccc	14820
ctgaggagga	tgctaggccg	cagaagggag	gcacgggcat	gaagcctggg	aagggggcac	14880
cagaggaggc	aaggcctgtg	cagaagcagc	accagaggcc	actgcagcgg	ctccaccacc	14940
cagcagcacc	gccacgaggc	aggaagtggg	aggccaggca	ggaggggctg	tgatcgccca	15000
ggtgccagga	ggaaggcctg	agaggggaca	gtgcagatgt	ccagagaggc	ctggcgggga	15060
taggcacca	aagtacagtg	tgggattggc	ttctccagg	gagttctaca	gcacagtagg	15120
tgcgctggc	cgggcccgtg	ccagctctgc	acatgagcct	gccccagtcc	ttgcggggca	15180
cggaccaaag	agtggttcct	gggttggaat	cacagaattc	aggggcta	ggcagtcggg	15240
atgggaattg	ggagggggga	agtgaattaa	atatttgagc	cctgggtggg	gctatacagg	15300
atgttcacgt	taaagaaggt	tctggagaag	gggatgattc	ttggaatgat	gagtattagt	15360
ttccacatgc	ctgagtttag	gttctggatt	taaaacctta	ttgtaagatc	atctctttga	15420
accttctctc	taattgtggg	gtcttatggt	ttgggggaaa	ttttacttat	ttttgttgtt	15480
ggttttttgg	tttttggttt	tttgagacag	ggtctccctc	tattgaccag	gctggagtgc	15540
agaggctgga	gtgctgtggg	gcgatcaggg	ctcactgagg	cctgcacctc	cctggctgaa	15600
gagatcctcc	cacttcagcc	tcccacatg	gtgggaatac	aagcgagctg	caccatatac	15660
agctagtttt	aaaaattttt	tgtagtgatg	gggtctta	atgttgccag	gcttgtctca	15720
agctcctggg	ctcaagtgat	cctcccgctc	cagcctccca	aagtgttagg	attataggta	15780
tgagccacca	tgcccggccg	atgtgttttt	ttacagata	gaaaatcatt	tgagggggaa	15840
actgatccat	ttaaataatt	tatttttatt	tattttatta	ttattttttg	agacggagtc	15900
ttgtctctgt	gcccaggctg	gagtgcagtg	gcatgatctt	ggctcactgc	aagctctgcc	15960
tcccagggtc	acgccattct	cctgcctcag	cctcccaagt	agctgggacc	acaggtgcct	16020
gccaccatgc	ccggctaatt	ttttttgtag	tttttagtaa	cacaggggtt	cactgtgtta	16080
gccaggatgg	tctcgatctc	ctgaccttgc	gatccgcctg	cctcagcctc	ccaaagtgtc	16140
gagattacag	gcgtgagcca	ccgcaccggg	cctaataat	ttattttact	taaaaacag	16200
ttttgtctca	cctcgttcat	gagctgtgtt	gtgttcttaa	tgtttatcaa	tagtacattg	16260
ctcagttctg	gaaagcactt	agccagatat	ttaaaaagca	acagaaattg	aagggcaaaa	16320
tagaagatgg	aacaaaaact	ctccaatagt	gtattcaact	taacagggtt	tcaactcacc	16380
agggtgctat	tggaatacaa	ttgtccccc	ggttcctgtc	atacaagatc	aaagttaa	16440
cactaaacac	aattgcagca	tccttgactt	catacacttt	cctttccaca	catccatata	16500
gacgcccga	gcacccttca	gggcagaatt	gtcttttgtc	cctcactctc	aggggacaa	16560
catgcactag	ggcccacctg	ccagccaccc	ctgccactgt	cactactgtc	ggtattaggg	16620
ggcaggggtg	aaggagggtg	ccagatcagg	gctcgggggt	cctggctgag	tgccccctcc	16680
actgagccca	tctcctgtcc	tgcagcttcc	cacaggctga	ggcccagtg	tctcgtctgt	16740
gctgctgagg	gggctccatg	gcctgttgag	aggcctcccc	aggaagccca	tagggaggag	16800
gttgggggtg	ctcctgcctt	gggggtggga	cagtcccttc	ttgttccac	cccaggta	16860
tgacccaagt	tctcctgtgc	atgaggaatg	cctggatgtc	cctccttggt	aggtgggatg	16920
ggccagaggg	aggtcctgcc	tacacagccc	ttattagga	atttagagat	ttgtgctcta	16980
ggaaggagct	gcttccacta	ccatttgccc	aactgtgtgc	tgtgcagacc	cgagcttg	17040
aaacagggtt	caaggatgtt	caggacttgc	ctcgtgttca	taaaggtcag	gggtcgccct	17100
ttgccccctg	ctccctgtcg	aactctgcag	caggccctgg	actaattaag	tccccgca	17160
agccccagag	cccagctctc	gtgaaagtgt	tcagaatcaa	aatgagacca	cttctgcaca	17220
acctaagag	caacaacaaa	atcatgccc	cggaggttcc	tgaaggaggg	ccctcccgca	17280
cacctgccta	tgatcagagc	ccttccgaag	cctctgggaa	gggcgcagat	gcctgcaaca	17340
agaccttttt	ttattttttt	ttttttgccc	ggactttgca	gctcactatg	tgagtcacaa	17400
ggacggctag	ccggctgcac	aagaacactt	gcctaataac	gctgtgtcca	ctcataaact	17460
tatgccggtt	cctgggataa	gcccctggaa	tcagtgttct	cttcccttca	aaacggctgt	17520
gtagggtgat	gtgggtggtg	gtgcctgtag	tcccagctac	tcaggaggct	gaggcaggag	17580
aaccggggag	gcagagggtg	cagtgcagctg	agactgtgcc	actgcactcc	agcctgggca	17640
acagagcaac	tcaagaaaaa	aaaaaaaaaa	agacaaaaac	caaaaaccga	ccatgctactg	17700
ctcttttgcg	ctttcaaa	accccttgcc	tcccctctc	cgatgcgccc	ctagtttact	17760
aaggccgggg	ctctgcactg	aatgctgctg	cttattccca	gttaaacctc	atagttttgg	17820
agagcctccc	tctgtttctt	aagggtgaca	ggactatcat	tcttttcgtt	catagatgag	17880
ggaattaa	cttgagagg	ttccgttctg	aaggacactc	agtaagtgg	ggacagagaa	17940
tttcagctca	gactcaaagg	ctattttaatt	tacttctttt	aaatccatgc	ttct	

tgtctcactc	tgtcacccag	gttggacaca	tatctggttg	tcaaggatta	gggacagggg	18420
aagaggtaga	ggaaagaggt	ggcctgggta	taaaagtacc	ctgtgggggt	ggagctcttc	18480
agcatctcaa	ctatggtgct	gttacacaaa	cctacttagg	tgataaattg	tatacacact	18540
cccacacaca	tgcacacgaa	tacaggtaac	actggggaaa	tctgaataat	aactgtggat	18600
tatgccactg	ggggagacta	agcaaagtgc	acagacatct	cttgactttt	cttctttttt	18660
ttttttttgt	ttagacaggg	tcttgttctg	tcacccaggc	tagagtgcaa	tgatatggtc	18720
ttgactcact	gcaacctcca	cctcccgggc	tcaagtgata	ctcccacctc	agcttcccaa	18780
gtagggtggag	agataatttc	agctcacacc	caaaggctat	ttaattttatt	tctgtgggag	18840
ggaccacagg	agcaggccat	ttcgctccgc	taatttttgt	atTTTTTgta	aaaatgaggt	18900
ttttccatgt	tgcccaggct	ggtctcaaac	tctgcgctc	aagtgaatct	ccgcctcagc	18960
ctcctaaagt	gctaggattg	caggggtgag	ccactacgta	gggcctcttg	tattatttcc	19020
cttttttttt	ttttttgaga	cagagtctca	ctctgccacc	caggctggag	tgacgtggca	19080
tgatctcagc	tcactgcaac	ctccacctcc	caggttcaag	tgattcttct	gcctcagcct	19140
cccaagtagc	tgggactaca	ggtgcatgcc	accacaccca	gctaattttt	tgtattttta	19200
gtagagatgg	ggtttcactg	tgtagccag	gatggccttg	atctcctgac	ctcatgatcc	19260
acccacctcg	gcctcccaaa	gtgctgggat	tacaggcatg	agccaccgca	cccagcttgt	19320
attattttct	acaactctt	gtgaatctat	agtctgtgta	aaaattccaa	cttaaaccatg	19380
aaactcaggg	tggctataaa	gcctcctgac	tcacctgac	tttggaatca	atcaatcaat	19440
taattgagga	gaccatttag	tgagtctcct	ctgactttca	gccaagaatg	ttcctaactc	19500
agcaagatga	agcaggaggt	agaggaaact	aagggggcaa	caagcagggg	gcaagaagga	19560
cctatgagag	cgacatcttc	cctgagagcc	ccaggacgac	caccgggaag	ccaggagggc	19620
gcaggcagga	ggaccacagga	aagctcgccc	tgagggaggc	cctaggcgtg	gtggggagtg	19680
gggcagggca	ggcaaaaagct	gggcagcagg	tgaggggacc	tgggttctga	gggccaagcc	19740
tggggtttga	ggtaaacagg	ctcgagtgga	gaaggggctg	ctgtgggttg	gctgggggtg	19800
gtggagctgg	aggagccttt	tcttcttgaa	ccagtttttg	aattgtggta	caaaacacgg	19860
tacatcaagt	ttacctcctt	caccattttc	aagtgtacag	ggcggcagtg	ttgagtacac	19920
gcacagtgtt	gtgcagctga	tctccagaac	attctcatcc	tgcaaccttg	aagctctgtc	19980
cctattaaac	tccaactcta	accctaacc	caaccctaac	ccattgcctc	ctccctcagc	20040
ctcaggcaac	ctccattcca	cttctgtctc	tatgtatttg	actccctcct	ggacctcaga	20100
gaagtgtgtt	cgtgcgtatt	tgttcttttg	cactgggtata	tttactgag	cataatgtcc	20160
taagggtcat	ccatgtttga	gcaggtgtca	gggtgcctt	tgttttcaag	gctgcgtgat	20220
actccattgt	atgtgtgcac	cctgttttgt	ttctccattt	ctcttttgct	ggacacttgg	20280
gtagcttcca	gctcttggtc	gctgtggata	atgctgctgg	gaacatgggt	gtgcagttat	20340
ctgttcgagt	ccctagttcg	cattcctttg	gctacacact	cagagtggga	tgtctggact	20400
gaagcaatac	ttttgaactc	agcctgaggt	taccaaactc	tctgaactcc	ttatcagagg	20460
ctacacttct	gggtgttccc	cggggcccat	ggaaaacaga	ctcaccccag	gctccatcta	20520
cctgtgcaag	ggaacagggg	tcaacctcaa	gtgcacaggc	tgctctggaa	gacccagccc	20580
aggctcggct	gaccacagagc	actggcccc	tcccagcctg	cgctctcagg	acataggtgt	20640
gggcacccat	atacaccaag	tgggttctag	ggcagccagg	ccaccacagt	tgctcctttt	20700
cacactcctc	tggggctcgt	gacattacga	gccctaacc	gggccctggc	ctaggctgtg	20760
tgtttccagt	ctcacctctc	ttcacacctt	gaatgaggtg	aatgaaggag	tggcaacgcg	20820
tctcccacaa	gacactgtga	gccacaccca	gtcccttccc	ttcagcaagg	ttggcttcag	20880
gtcacaggac	tggggcgggt	caagatggag	accaggggtg	tggggagggg	cgtggagcat	20940
ttacagccag	gggcaaagtc	cttcccctga	tttaaaccga	ggcagcctgc	gctgcagccg	21000
gttctctggt	tccccacttc	gcctccctcc	tgctgcccc	aagacatgca	ggggccctgg	21060
gtgctgctgc	tgctgggcct	gaggctacag	ctctccctgg	gcgtcatccc	aggtaatgag	21120
gctccccaag	ctgttccaca	cacagggcac	cccctcagcc	aggctgacct	gatctctact	21180
ctccccctgg	ccagctgagg	aggagaaccc	ggccttctgg	aaccgccagg	cagctgaggc	21240
cctggatgct	gccaagaagc	tgacgcccac	ccagaaggtc	gccaagaacc	tcatcctctt	21300
cctggggcgt	ggtgagtgag	caaggcctgt	ccagccccgt	agtcctcaca	gccccggcac	21360
ccgggacctt	cagtgggttc	aggacaaccc	tggggcccag	gactcacaca	tttctgctcc	21420
ttcagggttg	ggggtgccca	cgggtgacag	caccaggatc	ctaaaggggc	agaagaatg	21480
cacactgggg	cctgagacgc	cctggcccat	ggaccgcttc	ccatacctgg	ctctgtccaa	21540
ggtaagggct	ggggcacctc	agagtccctc	aagcagagga	gagggatcaa	ggatatggag	21600
tgtggcagga	gggagggagc	caggacagct	ggggcctaag	ttaggagctg	ggagcagtta	21660
ggatcccaga	ggaccagaac	caggtccttg	gttggggctc	gggtgtccgc	cccgaagtag	21720
agctcagggg	gtctccgttc	gcagacatac	aatgtggaca	gacaggtgcc	agacagcgca	21780
gccacagcca	cggcctacct	gtgcggggtc	aaggccaact	tccagaccat	cggcttgagt	21840
gcagccgccc	gctttaacca	gtgcaacacg	acacgcggca	atgaggtcat	ctccgtgatg	21900
aaccggggca	agcaagcagg	tgagctgggg	cccgtctgtg	ggtcaggacc	aggcccaaga	21960
tctcgggtcac	cgatcctgac	ctctgtcacc	ctcaggaag	tcagtaggag	tggtagccac	22020
cacccgggtg	cagcacgcct	cgcagccggg	cacctaagca	cacacagtga	accgcaactg	22080
gtactcagat	gctgacatgc	ctgcctcagc	ccgccaggag	gggtgccagg	acatcgccac	22140

tcagctcatc	tccaacatcg	acattgacgt	ggcacccccg	ggccaaggcg	tggggctggg	22200
cagaggggaa	ggtggcacag	gctcagatcc	aggaacccaa	aagcctgatc	tgggctcagca	22260
ggttctggag	gtggagttgg	ggatgtagaa	tgtgcaatac	aggctggggc	attcccacag	22320
ccctggggag	gggagccagg	ggctatgcat	gaggaggggg	cacggggcca	gccaggcccc	22380
caaaccacct	gccccatcca	ttgtcctcag	gtgatocttg	gcgaggccg	caagtacatg	22440
tttcccatgg	ggaccccaga	ccctgagtac	ccagctgatg	ccagccagaa	tggaatcagg	22500
ctggacggga	agaacctggt	gcaggaatgg	ctggcaaagc	accaggtgat	gggggctggc	22560
gggtgtggga	ggcacggcag	ggggaggcca	agtgtgtggg	tctcaggggc	gtgggctgaa	22620
gcctggctct	gtccctgcag	ggtgcctggt	atgtgtggaa	ccgcactgag	ctcatgcagg	22680
cgctccctgga	ccagttctgtg	acccatctca	tgggtaatga	cccccttccc	gccctggcat	22740
tcctcagaca	acctcagagg	gtgccatccg	agcctgtgtg	cccatttgcc	agaccctccc	22800
cgctcacagc	ctgccaatca	ccaccaagct	ccttgtccca	caggcctctt	tgagcccgga	22860
gacacgaatc	atgagatcca	ccgagacccc	acactggacc	cctccctgat	ggagatgaca	22920
gaggtgtccc	tgcgctgct	gagcaggaac	ccccgcggct	tctacctctt	tgtggagggg	22980
cgctgggtggc	ccctggggag	tggaggaagg	cggggcgcg	cagggcaggt	tcaagcatca	23040
ccccctctg	gccttctctg	aggcgccgc	atcgaccatg	gtcatcatga	gggtgtggct	23100
taccaggcac	tactgaggc	ggtcatgttc	gacgacgcca	ttgagagggc	gggccagctc	23160
accagcgagg	aggacacgct	gaccctcgtc	accgctgacc	actcccatgt	cttctccttt	23220
ggtggttaca	ccttgcgagg	gagctccatc	ttcggtaggc	ctggggagag	tggcagggtgc	23280
tgctgcatca	attatgaggg	tgaagtttga	gcctcagttt	cctcctctgt	caaaaagtgtg	23340
taatgctggc	accagcccta	tagggatctt	gtgaggaccg	agccccgaa	caggcaaaaa	23400
gtggcggtgc	ctggcacata	ggaggcactc	ccacagctgt	ggtcagctca	actacaggga	23460
cccctatctc	cctacagggt	gtgccccag	caaggctcag	gacagcaaa	cctacacgtc	23520
catctgttac	ggcaatggcc	cgggctacgt	gttcaactca	ggcgtgcgac	cagacgtgaa	23580
tgagagcgag	agcggtgagt	gaggctgaat	ggcccgtgca	gggggaccag	ggtgccaggg	23640
atgggggcat	tgcggggagg	aggacgccgc	ctgcctgccc	tgaagtgcac	tcaccctcct	23700
accagggagc	cccgattacc	agcagcaggc	ggcggtgccc	ctgtcgctcg	agacccacgg	23760
aggcgaagac	gtggcggtgt	ttgcgcgcgg	ccgcgaggcg	cacctggtgc	atggtgtgca	23820
ggagcagagc	ttcgtagcgc	atgtcatggc	cttcgctgcc	tgtctggagc	cctacacggc	23880
ctgcgacctg	gcgcctcccc	cctgcaccac	cgacgccgcg	caccagttg	ccgcgtcgct	23940
gccactgctg	gccgggaccc	tgtctgtgct	ggggcgctcc	gctgtccct	gagtgcccca	24000
ctccggagtt	atcctgtctc	ccacctccgg	gcgtctcgcc	ctgttccccg	tccctgagccg	24060
ccacttccag	cgaacacaca	caggtgtcct	gccgtgggac	cttcacctcc	tagagataaaa	24120
ccagctctcag	ctggcgcagc	ggggcccttc	ttccctccgc	atccccctca	gggagcagga	24180
gcccaggggc	ccttgggagc	tgagcctggg	acttcagga	cctccccctca	ggttgtttctc	24240
tgattctttc	tcccaacccc	agagactgca	gatttgtgcc	atgcggctgc	ctgcacccca	24300
gacaataaag	ggaccaaacc	cacccaaccc	ccaccctgcc	tctagcccta	ggaagaccaa	24360
gcaggcctgg	accagagagc	gtcccccatc	gtgggacacg	acacacccag	accgcgtgcc	24420
ccaccgtctt	agcttcaatc	ctggcagcac	ctggtagacc	caaggacttg	ggtggatcag	24480
gacacctgaa	gaagagaagc	ttccggcaac	cctgcaaccc	acccaaggag	gctactggat	24540
cggggatttc	cagggggggt	ttgacacagt	ccctgtgtgt	ctccccacta	ggatcatttc	24600
acacccctgc	acctgaccaa	gggacccatg	aggcagaggc	ttgccccaa	tcacagccac	24660
tcagatcgct	ctgcgcccc	agtgccatt	ccaggtcacc	agatccaagg	agcgcttgag	24720
gagctctggg	tacagggcag	caaccacag	ccatggggc	ctcccgggac	atctggatgc	24780
tgggcataga	tttctcaaca	aggaagactc	ccctgcctcc	tcaagggtctc	cattctccta	24840
ggagacaaag	caataataaa	aggtgttaga	caatgtaatg	ccagtactac	ttcctaggag	24900
aaaaatcatg	agtgagtgtg	ggcacagtat	ctggagaggt	ggataacgca	ggccaggagg	24960
tactgctgag	gggcagatga	ttgagcaaga	gacttgaaca	gagtgggggc	ttgagcaagg	25020
cagcacagca	gtgcaaacgc	cctggggcag	tgtcagcagg	tgtctgggga	ggccaagggc	25080
tggatcagag	gggtgggggt	gggtgggcag	agtggggaaa	gcctgagggg	tcaggagagc	25140
ggggtgtgca	tgggggactg	tgaagtctgg	ttagaggggt	gtggttggag	gtctttgagg	25200
agggctgtga	cctgcctctg	ttgggaaata	agcactctgg	ctgctgccag	gagaagggtc	25260
tggctctttg	ggcagagggg	gggggtggtg	gcaggctcag	gtgaaagctg	gggaaggagc	25320
tgactccagg	tgtttctgac	ctccctctga	aagtattctg	gagcgcccat	cccaatacag	25380
ccatacttag	tgagtacaca	cctgtctcaa	gagaacattg	aaaagaataa	aggtgaaatc	25440
aaccacattt	tccagcaaat	tttgcagtat	tacaaattta	tttgtacatt	tacaaagggtg	25500
caaaaaag						

aaaatgtttt	ctttggcatt	agttttcatt	ccaagatgat	tactttctca	ttttttcatt	25980
gaaaggacat	ctttactctg	aaggagcaga	tgcaagaaaa	gtacaattat	ttttcaagct	26040
ttttctctgat	tgcctaaaaac	agacagctct	tgatcatctca	aaagtgtcag	catttttggtc	26100
tttaggaagg	agggagccccg	ggcgagtggt	ctcacgtctg	taatcctaac	actcgaggag	26160
ccaatgtggg	cagatcattt	gaggtcagga	attcgagacc	agcttgatca	acatggaaat	26220
cccatctcta	ctaaatatac	aaaaattagc	caggcatggt	gccgtacacc	tgtaatccca	26280
gcactttggg	aggctgaggc	gggaggatca	tttgaggtca	ggcgtttgag	accaccctgg	26340
tcaacatggt	gaaaccctgt	ctctactgaa	aagacaaaaa	ttagccaggt	gtggtggtgg	26400
gggcctataa	tcccagctac	tccggaggct	gagacaggag	aattgcttga	acctggaggc	26460
ggaggttgca	gggagccgag	atcacatcac	tgccctccagc	ctgggtgaca	gagcgagact	26520
ccctctcaaa	aaaaagaagg	agggaggtgg	gagtgggggg	gaggatttaa	aaattacctt	26580
tcgggtacaa	gctcattata	tgggtattgg	gttcactaga	agcctaatct	ccaccagtat	26640
gcagctctacc	catgtaataa	acaagcacat	gtacccctga	atctaaactt	ttaaaaaaga	26700
attctcacag	gaaaaaaaaa	gagttaatca	cagggaagca	gaaacagaca	tacattaaaa	26760
attactgata	aatttttttaa	aaataaggag	ggagggccag	gcacggtggc	taacacctat	26820
aatcccagca	ctttggggagg	ccgaggtggg	cggatcacga	ggtcaggaga	tgagaccac	26880
cctggctaac	acggtgaaat	cccgtctcta	ctaagaatac	acaaaattag	ccgggcttgg	26940
tggcggggcgc	ctgtagcccc	agctacttaa	gaggctgagg	caggagaatc	acttgaaccc	27000
aggaggcgga	ggttgcagtg	agctgagatc	acatcactgc	actccagcct	gggcgacaga	27060
gtgagactcc	gtctaaaaat	aaataaataa	ataaggaggt	agggaaagtc	aagcagagag	27120
ggaggggaac	ttggggcaac	cctcttcggt	attttgctat	gaagataagt	cattctgtgt	27180
ggctggaaaag	ttttctatggt	ccaccaatc	tccctacca	gtatgggaaa	gattctactg	27240
taatgccaca	gtctatggctt	taacacatta	gcccactgat	ggctctgcaac	attctatgcc	27300
ctccaggctt	ctacctcttc	cctgcgctga	ttagactgtg	gatgagccaa	tgagtgaggg	27360
gtaagggtga	agccacctct	gcacctgat	tcgtatccag	aatccttttt	taaaaaaccc	27420
tttctgagta	gctattctat	ctgtggttgc	atttttaccg	tttttcccat	atgacatcgt	27480
ttttattaaa	gaaggcattt	actgttgcca	atatactctg	tctgctatat	cttcccttta	27540
gtggctcaaa	aaaaaaaaaa	ggaaagaaaag	aaagaagtgg	tttgtgtatt	tcattatttg	27600
aatagaacct	ggcaaatacc	ttcagctgag	ccatgttggg	aacatctgtg	ctttcagcac	27660
actgcaaagc	aaacctccca	cactgggtaa	tttgctctaa	catgagtttc	ttccaatctt	27720
cggcagtggt	ttctctacat	ctttcgatgg	tgtttgctga	caaagaatag	ctttctcggt	27780
tgctgcagca	tcatttatgt	ttcattgttt	ctgcactttt	tctctgcagca	gaaagaataa	27840
gtgtctgccc	attggtagat	gttttttgct	tcactgctatc	atgcaagaaa	ctttaaaaga	27900
cgtttccaaa	tatttatcat	tgcttaggga	aataactaag	aagtactggg	ttgaacagca	27960
cagaacttta	aacaccgctg	ggaaaaaaaac	tgctcaggtt	tctcttcggt	tctgaaagct	28020
tagttttaga	caccttgcca	accatgagga	tttcacactg	ctgatgactt	aatagctcca	28080
ggcaccaggc	accgggggca	aacttcagca	gtaaccacag	agtgggggaa	attcaaagag	28140
ttttgtttgc	tgatttttta	ttttaggggc	taacttctgg	tcagggtctgt	accctgagct	28200
cagccaagag	taataaggaa	ttctcagctc	tcccttctgc	tgtggttcac	ctgctctgga	28260
tttctggtgt	tcattgcaga	ttccttacag	gaatcttggt	tgagccactt	ggccattttg	28320
ggggatgagt	tcggttaata	ccagatcata	taagccgagc	gcggtggtct	acgccagtaa	28380
tcccagcact	ttggaggctt	gaggtgatcg	gccatcacct	gaggtcggga	gttcaagacc	28440
agcctgacca	acatggagaa	attctgtgtc	tactaaaaat	acaaaattag	ctgggcttgg	28500
tggcgcatgc	ctgtaatccc	agctactcag	gaggctgagg	caggagaatc	attcgaaccc	28560
gggaggtgaa	ggttttgaga	tggtgccatt	atactccagc	ctggccaaca	agagtgaac	28620
tctgtctcaa	aaaaaaaaaa	aaaacaagat	catataatcc	atcagtcac	ttagacgcac	28680
taaactctaa	tcctccgcaa	tccgctgaaa	gcgtgcaatc	cagagtgggt	attgcatcaa	28740
ccctgggtct	cgggcaccaa	attcctttct	tctgggacac	cagagaactg	cgtgggggtg	28800
tacctgcatg	aaggggtgaag	gcgccagcat	ggaacttgat	attaacactg	agctcttggg	28860
gcgcccactg	ctcagggctg	tggcaaggca	taatggcgagc	tgagcaacaa	gtaggcactc	28920
aggagtgcct	gacatccctt	taaccaaac	ccaaggtcca	ggtgagtttt	gaagtacttg	28980
agtagtgggc	aggatgccca	ggctgagcaa	ctccttgcta	gcaggggtat	ctcactccct	29040
gcagagacaca	gacccagaaa	ggcaccacag	gttcagtccc	cagcagattc	gaagccccct	29100
gcccacgcag	ttcccttgaa	ccccgcccc	tgcacagatc	cagtgattgg	cacaggaagc	29160
ctccagatcc	agcgagagga	gcacactccg	gcagcctctc	gggaggactc	aaggggggac	29220
ccagctgtgc	cattctggcc	tgggtgctga	agttgcatct	gatcgtgcc	tgccccact	29280
ggttctagga	acaggcctcc	ccaccagggt	agcagctgca	taactggcct	ctgcccctag	

cactttcttt	gttcaccaga	tttgcaaatt	tgttatcagc	cagcacagtt	tccccacctc	29760
caccacccct	gtctgggctc	cttagagtaa	aggaaaattc	tccccaagga	gctgccttca	29820
gatctctcca	cacagattcc	tgacagcagt	ccctgcaatg	gtttgggtcc	acaggatcat	29880
agaagctttt	taaaattatt	atztatgcaa	aatatagaca	aggaaagatg	cgatttgact	29940
gcaccatgtg	acagcttctt	ggggatttga	gctgcctgcc	ggtccaatga	accagccgtg	30000
agctgctgcc	agaggctacg	ggatcctggg	tggcagctga	ggttggggaa	gccaggaacc	30060
catcttactc	ccttgcaacc	tgatgagctc	atgtctggaca	caggccagcg	tcgggactga	30120
accgtgtagc	cctctgggca	ccttgaacct	tgcaccaggg	tggtggggag	gctggggagg	30180
aggaggcatt	cactgtgacc	agtggggttg	ctttatatgt	ggatgtgttt	atagctttta	30240
ttttatgtgt	gtgtgtgtgt	gtgtttattc	ttcttttttt	attttatttt	attttatttt	30300
attttatttt	attttatttt	atttttgaga	cagggcctag	ctctgtctcc	caagcacgat	30360
ctcagctcac	tgcaagctct	gctttctggg	ctcaagtgac	ctcccaagta	gctgggatta	30420
caggtgcgca	ccaccacacc	tggataattt	ttgtactggt	tatagagaca	aggttttgcc	30480
atgtgtgtca	ggcttgcctt	gaactcttgg	gcttaagcaa	tgcacctgcc	ttagcctccc	30540
aaagtgtctg	gactgcaggc	atagagccac	atgcccggcg	cagttttatt	ttatttttaa	30600
ttgataaata	aaaattgtat	atatttatgg	ggtacaatgt	gatgtttcaa	tacatgtata	30660
cattgcggaa	tgatcaagtc	aggctaatta	gcatatccgc	ctcctcaaat	atttattatt	30720
tctttgtaat	gagaacattt	aaaatcccat	ctttggctgg	gcatgatggt	tcacgcctgt	30780
aacctcagca	ctttggggagg	ccgaggagga	cagatcacct	gaggtcagga	gttcgagacc	30840
agcctgacca	acatggcgaa	accccgctct	taataaaaaat	acaaaaatta	gctgggcatg	30900
atggcacatg	cttgtaatcc	cagctactca	ggaggctgag	gcaggagaat	cgcttgaacc	30960
caggagggtg	aggttgcagt	gagccagatg	aatgccattg	ccctccagcc	tgggtaacaa	31020
aagcaaaaac	ccatctcaaa	aaaaaaaaaaa	aaaagttaaaa	tctcatcttt	cggctatttt	31080
taaatatata	atacattatt	atgaactata	gtcaccttgc	tatgcaatag	acacagcagaa	31140
cttattcctc	ctagttagctg	taactttgta	cctgttgacc	aacctctccc	cttccccgtt	31200
cacctccctc	ctatgcctgg	cttatttcac	ttcctcttgg	ttcatccatg	ttgttgaaaa	31260
tgacagaatt	tcctgttttt	ataaagctga	ctagtgttcc	gttatgtaaa	tacaccacgt	31320
gctaaaaatc	catttacccg	tttaggaaca	cttaggttgt	ttccatatct	cgactattgt	31380
aaataattgt	gtcatgacca	tggcagtgca	gacatctctt	ccgcatacag	atttcaatcc	31440
tttgggtatg	taccagtagt	tggggttgct	gccattattg	atacaggtaa	ttctcttttt	31500
ttttttttaga	gataggatct	cactatgttg	tccaggtctc	tcttgaactc	ctgacctgaa	31560
gcagtccttc	ctccttggtc	tcctagagta	gagggtcgag	attacaggca	tgagccacaa	31620
cacctagccc	tccaggtaat	tctatattta	gtcttttgag	aaaccttcat	actgttatcc	31680
aaaatggctg	tactaatttg	caatgttacc	aacagtgtat	aatggttccc	ttttctccac	31740
atccttgtca	acacttacta	tccttcatct	tttttataac	agccaatcta	acaggtgtga	31800
ggtgatatact	catttgtggt	ttaatttgca	tttctctgat	gattagtgat	attgagcact	31860
tttccatata	actgttggcc	atttgtatgt	cttgttttga	gaaatgtctg	ttcaagtctc	31920
ttgccttttt	aaaatagggt	tatttgtttt	ttattattga	gtcattttag	ttcctttgat	31980
attttggata	ttagcccttt	accagtgat	gattcgcaaa	tgctttctcc	caacttttga	32040
atttgtctct	cacgctatta	actgtttcca	ttgctgttca	ggaagctttt	agtttgatgc	32100
aatacaattt	gtctattttt	gcttctgttg	cctgtgcttt	tggggtcata	tccaagaaac	32160
ctctgccag	acccatggca	tggagccttt	gccctacgtt	tcttctagta	gttttatagt	32220
ttcaggtctt	gcatttaagt	ctttgagttg	attttgtata	aggggtaaga	taaagtcccc	32280
ttttcattat	tctgtatgtg	gagatctagt	ttttccaaaa	ccatttatta	agagaccggt	32340
cttcccccat	tgtccaagac	caggtaaagt	agcgcatgcc	tgtaatccca	gccctctgag	32400
atggccgaagt	gggagagatc	cttgaggcca	ggagtttgag	accagactag	gcaacatagc	32460
aagccccatc	ctcgaaaaaa	acaaaaattt	tttttaatta	gctcagcata	gtggcatgca	32520
cctgtagtcc	cagctactca	ggaggctgag	gcatgaggat	tgccagagca	caggagttca	32580
aggttacagt	gagctatgat	tgcactactg	cactctgacc	ttttttatgc	tctcttaagt	32640
gggattgttt	tcttaatttc	tttttcagac	agttagttgt	tagtataaag	aaacactact	32700
gcttttttga	agttgatttt	gtatcctgga	actttaactga	atttgtttat	cagttctaata	32760
ggttttttgg	ggtaactggt	taggatattt	tatatataag	atcatgtcag	caaacacaga	32820
caatttcaat	tcactccttc	ctattaggat	accttttatt	tctttttctt	gccgaattgc	32880
tctggctaag	atttccagta	ccatgtggaa	cacagcaggc	atccttgctt	tgactcctgat	32940
cttagaggag	aagctttcaa	cttttcactg	ttgagtacga	tgttggctgt	ggaactgtca	33000
tacatgatct	tcactgagtt	gaggaaacatt	ccttgcatatc	ctactttgtt	gagagtgtct	33060
tttgttttgt	tttgttttgt	tttttttgag	acggagtctt	gctctgtcgc	ccaggctgga	331

gagataaatct	ttttttttttt	ttttttttttt	tttttttgaa	acaaattctc	actctgtcgc	33540
ccaggctgga	gtacagtggc	acaatattgg	ctcactgcaa	cctccgcctc	ccaggttcaa	33600
gcaattctca	tgcctcagcc	accctagtag	ctggggcttc	aggcatgcac	taccatgcct	33660
ggctaatttt	tgtatcttta	gtagagacag	gaatttgcca	tattgccag	gctggtctca	33720
aactcctgag	ctcaagtgat	ccgcccacct	caacctcatg	ctgggatcac	aggcatgagc	33780
cattgcatcc	ggccccatggt	gaatgatctt	tttaaggtag	tgggtgaatg	ggttatctag	33840
tattttctgt	aggatttttt	catccatggt	catcaatgat	atagcctgta	cttattcctt	33900
cttgtatgtg	ctttgtctgg	ctttggtatca	gagtaagctg	gacctgtaga	atgagtttgg	33960
aagtatgctg	tccccctcaa	ttttttggaa	gggttgata	agaattgggtg	ttagctcttc	34020
cttaaatatc	tggtagaatt	taaccatgaa	gccatctcgt	tctgggattt	ttttgttgg	34080
ggtggtagac	tcttaattac	tgattcaatc	ttcttattag	ttattagtct	gttcagattt	34140
ccaatttttt	catgatccag	tatttagggt	atatttctag	gaatttatcc	atttcttcta	34200
ggttgtgcaa	tttgttgcca	tataattgct	tatagtgtc	tcttacgac	ctttgtattt	34260
ctgttatcaa	tggtaacaac	tcttctttca	tctctgattt	tatttgagtc	ttcttttttc	34320
tttattagtc	tagctaacgg	tttgtcagtt	ttgttcagct	ttttacaaac	caactcttag	34380
ttttgttgat	ttttttctat	tgttttttcta	gtctctattt	cattgatttc	tgctctgtac	34440
tttgttattt	ccttcctctt	gctaaccttg	accttaattt	gttcttcttt	ttctagtctc	34500
ttgaggcata	atattagcct	gtttatttga	gatttttctt	cttttttgat	ataggcattt	34560
attgctataa	acttcctct	tagaactgct	ttaggctggg	tgtggtgggt	catgtctgta	34620
atcccagcat	tttgggaggc	tgaggtgaga	ggattgcttg	aggccaggag	tttgaaacca	34680
gcctgttcaa	cacagtgaga	ttccttctct	acaaaaataa	aaacaaatta	tctgggtatg	34740
gtggcacctg	cctgtagtcc	cagctacttg	ggaggctgag	gtgggaggat	tgcttgagcc	34800
caggagttca	aggctacagt	aagcagagat	tgcgtgctg	cattccagcc	tgggcaacag	34860
agtgagaccc	tatctcaaaa	acaaaaacaa	aacaaagctg	cctttgctgc	atcccatgca	34920
ttttttgtata	ttgtgcttcc	attttttgtt	catctcaaga	tatttttaag	tttacccttt	34980
aatttctctt	ttgattcacc	agttgttcag	agaagcatat	tgtttaattt	ccacatattt	35040
gtaattttcc	cataattcct	tctgttattg	atttctagtt	tcataccact	gtggttggaa	35100
aagataacttg	atattatttc	aatctttttc	tgtttttttg	agacagggtc	ttgctctgtc	35160
accaggttg	gagtgtgggtg	gtgctgatca	ccactcactg	caacctcgaa	ctcccaggct	35220
caagcaatcc	tctgactca	gcctccctag	gagctgggac	tacaggcata	cactaccatg	35280
tccagtgtct	ctatgtggcc	caggctgggtc	tcaaactcat	gggctcaagt	gatcctcacg	35340
cttcgggtctt	ccaaaatggt	gtgattatag	aagtgaacca	ctgtacctgg	ccaatttcaa	35400
tcttcttaaa	tttgtaaga	cttattttgt	agcctaatat	acgacatacc	ttgaagaatg	35460
ttttatgttc	actcgagaag	aatatgtatt	atggtgcttt	taggtggaa	ggtctatata	35520
tatctgtttg	acctattttg	tctaaagtgt	agttcgaatc	ggatgtttcc	ttattgactt	35580
tctgtttgga	tctgttcaat	gtgaaagtg	aggaattgca	attcactact	attattatgt	35640
tgtagtctac	gtctttcttc	agatccctta	aggtttgctt	gtttggttgc	ttgattgact	35700
gattgtaggg	atggggtttt	gctatggtac	ccaggctggt	ctcaaattcc	tggcctcgag	35760
cagtctccc	tcttggcct	ctcaaagtgc	tgagattgta	ggcatgcttc	atataatttag	35820
gtgctccaaa	gttgggtgca	catatatctg	tactgttat	atcctcttga	tgaattcacc	35880
actatagaat	gtcactatac	gatgactttg	tctcttttta	cagtttttcg	cctaaagtat	35940
attttgtctg	ggccaggcac	agtggctcac	acctgtaatc	ccagcacttt	gggaggccaa	36000
ggtaggcaga	tcacctaaag	tcaggagtgt	gagaccagac	tggccaaaaa	ggtgaaacgc	36060
tgtttctact	aaaaatacaa	aatttagcca	ggcatggtgg	tgcataccgt	taatcccag	36120
tactcgggag	gctaggcgag	gagaatccct	tgaacctggg	agggtggaggt	tcagtgagc	36180
tgagatcgca	tcactgcacc	ccagcttggg	caacagagga	agactccatc	acacacacac	36240
acacacacac	acacacacac	aagtatattt	tgtctgaaat	aagtatagct	acctctcttc	36300
tcttttttat	cccatttgca	ttgaatatct	ttttctatcc	tttcactttc	agtctatgag	36360
tgtcctttaa	ggcaaagtga	gtcttgtgta	ggcaacatat	ggtgggtctt	gtatttttat	36420
ccatttagct	actctgtgca	tttgattgga	gaatttaacc	catttacact	caaactaatt	36480
attgatagat	aatgacttac	tagtaccatt	ttgttcatta	ttttctgggt	attttgtaga	36540
tcttttgtcc	ctttctctct	cttgcctttt	ttcctttgtg	atttgatggc	tttctatact	36600
gctatgcttg	ggatctgttc	ttttctctg	tgtgtatct	attataggct	tttgccttgt	36660
ggttacccta	aggcatacat	aagccatctt	atacttaact	ggttatttta	agttgacaac	36720
aacttaactt	tgattgcaca	tataaactct	acacttttac	ttctcctcct	ccattcttat	36780
gttttttgtgt	cacactttac	atctttttac	aattttttatc	ttttaacaaa	tcactgtggc	36840
tctagttgtt	tttaagtttt	accttttaac	ctttgtactg	gagatataaa	tgatttacct	

gattcacttt	tcccttggtg	ctttcaatat	tctttttaac	tactgacaat	tcgattacaa	37320
tgtgtcttgg	tgtggatctc	tttggattca	tcttatctgg	catcctctgg	gcttcctgga	37380
tctggctttc	tatttcattc	cctaggcttg	caatgttttc	tgccattatt	tctttgaata	37440
tgtattctat	ccctttctct	ccctttcttc	ttctggcatg	ccaataatgc	ataagtgtgt	37500
aagctatctt	caatcctttt	cattcctttt	gcttctcata	ttagataaatt	tccagtgggc	37560
tgtctttgaa	tttataaatt	ctttcttctg	tgtgatctag	gctgctgttt	atgctctttt	37620
tcagttcagt	tatagtattc	ttcagcgcta	tgattttctgt	ttagtacttt	aatttctgtc	37680
tgtttgttga	aattctcagt	ttgtttttgt	attgctctcc	tgaccttggg	gagcagtgtc	37740
atgaccgtta	ttttgaattc	agttaaatca	catatctcca	cttcacttgg	atttgttctt	37800
cactggagat	tcgtattgtt	cctttatttg	gaatatcatc	ccgtttcttc	attttccttg	37860
actctctgtg	ttggtctctt	tgggttagat	aggacaacta	cttccctcag	tcttgtgaga	37920
ctggcctcat	gtagaagaat	ctcgccaatc	catttaacct	gggattttta	gatgtccctc	37980
aaatctttgt	gtttgtccag	actgctacct	ctgtttgctg	tggccccccta	gagcttggga	38040
tgtactacat	catgttagta	cctaatacca	gtgagatggc	agccagactc	tctagatgta	38100
gctggaaagg	ttgggtgttg	gatatgtgtt	ccagttcctt	ctatctttac	agtgaagctg	38160
agtgcaggca	tttgtctccc	actttctctg	cattaatctg	gggataaaat	ctgtggcaaa	38220
tgctgcaca	ggcatttgta	caggctgcac	tctttgatcc	tggggagata	gctgtgcaca	38280
ttggggccac	ctctttgttt	tttgtggtct	agggccactc	aagaattgcaa	agccccattg	38340
agtcccagag	ctggtaatta	aaaacgcagt	cccttagctg	ggagctatag	aagttctggc	38400
acttggcact	tggccaaact	cctttcatga	agaatgggta	agcctggatt	tatcaccagg	38460
gtgagcccga	gagaaggcct	atgaagcacc	aagctctggt	tccagctgtc	gaagggtctc	38520
tgtttctgtc	cattgcccag	ttagctgctt	tatgcaagtt	catttagaag	gcagaccgtc	38580
aagtagccac	tggaagtgtg	taccgagagc	ctctcctgga	gagcgaatgg	gaactgcaca	38640
ttcctgcctc	tttctgcact	gctccaaggg	ggtgtacccc	atggaagtgt	ttacacactc	38700
atctaaaacc	accactttgt	tctgtgatca	aggagactca	catataacct	gtcccttctg	38760
ttcacagagc	taggagggtt	aggatggagt	cctttggggg	gtagctgtaa	aagttgggga	38820
actcaatttt	tgggtataaac	cctttccagg	gacaagaagg	gggctgtgtt	tttttaagcc	38880
ccttctctgt	gctgtctcct	ggggatgaag	accctggaag	tgtttgttgc	acctgtataa	38940
aaatgctgct	ttcttctctg	gggtctagaga	gacacattca	tgccagtccc	ctttgcccc	39000
agagctagga	ggttttaggat	gcagtctttc	aagtggaagc	tgtaaaagtt	ggggtgctct	39060
atctgaggga	gaaacagggg	gccgctcttt	ttaagccctt	tctctgtact	gttcccagag	39120
gataaagcca	ctggaagtgc	ttgtatgccc	gtatgaaact	gctgctttat	tcctgtggtc	39180
tagagagact	catatgcgtc	taatctctgc	tcccagagct	ggtgaaataa	gagccaaact	39240
gtggggaact	ttagagttag	ggtgctatat	ttaaggccca	aacctctctc	tccacagga	39300
gaaggaagct	ggggtgatcc	cttcccagct	gggtggtgag	gtgcccgggg	ccatgcccgga	39360
atatgctctc	actctcctaa	ccattcaaaa	tgactttctc	cgttgtctca	tgggtaggag	39420
tctcaactgg	tctctgattt	tgtcttgagg	aaactgacct	gtgaatagac	ctatctggtg	39480
catttctggg	tcggggggaga	ttcaggagct	tcctattcca	ccatgctgct	tgaggttggt	39540
ttattttctgc	tacagcagag	tgtaccggct	gtcagggagc	aggttggcct	gagtcagtga	39600
cacagagtaa	aataagccac	acttgatagt	gggggagtag	gaatggccag	gggaacatgt	39660
gggatagcac	ctctaagatg	ggctgcaaac	aagtgagggc	tgagaacccc	caacccaagc	39720
agatggaaag	gaggccccag	agagaagccc	caacatgagc	cacaacccat	gtcacatgaa	39780
cagcagtagg	gacaaaaagg	ggtatttggt	ttggacaaga	gaaggaaact	gtggctcacc	39840
ttgaccata	tgaagaggag	tcacagggca	ggggctcacac	caggacacta	ggatgtggat	39900
tctgtctcat	tctaaggact	ctcggggaaa	gggcaggtca	ggcacacagt	aaggttgtcc	39960
ccaagaggaa	ggggtcttga	gaagtgcag	ttcctgcccc	tcatggtttt	ccaggcaaag	40020
ctgagtgtcc	gcctgatgga	ggctgcagag	aagagctgct	cttctcagac	ggggatgaag	40080
tgcacagctt	gccaagggct	cagtcagtta	tgtgccatct	atcgtggact	ccaaaatgca	40140
gtgacaagtg	agcttataga	gcaagggcct	ccttgggggt	catgggctga	gttttccatt	40200
gtcctgaaac	cttctataag	caataggaag	aaactataga	tggcatgatc	agtggcctag	40260
gttctttctc	ataaagtcc	cccaacgaca	gcctcttatg	gatcaattgc	tgtgcagtga	40320
cttagagccc	ggaggggcag	ctgtgactc	caaagcctaa	agggtctcag	cttctcaaga	40380
agcccccttc	ggccaggcac	ggtggctcat	gccataatcc	cagcactttg	ggaggccgag	40440
gtgggaggat	cacctgaggt	caggagtctg	agaccagcct	ggctaacatg	gtgaaacccc	40500
gtttctacta	aaaatacaaa	aaattagcca	gggtgctggt	gtgcacctgt	aatcccagct	40560
actcaggggg	ctgagacagg	aaaatccctt	gaatccggga	ggcagacgtt	gcagtgagcc	40620
gagatcacac	cattgcactc	cagcttgggc	a			

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																			
Population	1,000,000	1,050,000	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	1,350,000	1,400,000	1,450,000	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	1,750,000	1,800,000	1,850,000	1,900,000	1,950,000	2,000,000	2,050,000	2,100,000	2,150,000	2,200,000	2,250,000	2,300,000	2,350,000	2,400,000	2,450,000	2,500,000	2,550,000	2,600,000	2,650,000	2,700,000	2,750,000	2,800,000	2,850,000	2,900,000	2,950,000	3,000,000	3,050,000	3,100,000	3,150,000	3,200,000	3,250,000	3,300,000	3,350,000	3,400,000	3,450,000	3,500,000	3,550,000	3,600,000	3,650,000	3,700,000	3,750,000	3,800,000	3,850,000	3,900,000	3,950,000	4,000,000	4,050,000	4,100,000	4,150,000	4,200,000	4,250,000	4,300,000	4,350,000	4,400,000	4,450,000	4,500,000	4,550,000	4,600,000	4,650,000	4,700,000	4,750,000	4,800,000	4,850,000	4,900,000	4,950,000	5,000,000	5,050,000	5,100,000	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	5,400,000	5,450,000	5,500,000	5,550,000	5,600,000	5,650,000	5,700,000	5,750,000	5,800,000	5,850,000	5,900,000	5,950,000	6,000,000	6,050,000	6,100,000	6,150,000	6,200,000	6,250,000	6,300,000	6,350,000	6,400,000	6,450,000	6,500,000	6,550,000	6,600,000	6,650,000	6,700,000	6,750,000	6,800,000	6,850,000	6,900,000	6,950,000	7,000,000	7,050,000	7,100,000	7,150,000	7,200,000	7,250,000	7,300,000	7,350,000	7,400,000	7,450,000	7,500,000	7,550,000	7,600,000	7,650,000	7,700,000	7,750,000	7,800,000	7,850,000	7,900,000	7,950,000	8,000,000	8,050,000	8,100,000	8,150,000	8,200,000	8,250,000	8,300,000	8,350,000	8,400,000	8,450,000	8,500,000	8,550,000	8,600,000	8,650,000	8,700,000	8,750,000	8,800,000	8,850,000	8,900,000	8,950,000	9,000,000	9,050,000	9,100,000	9,150,000	9,200,000	9,250,000	9,300,000	9,350,000	9,400,000	9,450,000

cctcctgaag	tgaggggag	cagggggacc	gggtcctgga	ggggctggaa	ggcaggtggt	44880
gcccagagcg	gggctggcac	cgggtgcatg	cctgccccgg	tagccagcag	gaggtgattc	44940
gtgcgggggc	agtggggcg	tgcaggcg	cagccaggct	caccacacgg	aacacttg	45000
ggcagggttc	atgggtgagt	ccttgggaca	gtggaagcc	cggccaaact	cctcaaactg	45060
ggacacactg	ccagcacccc	tggggtgggg	agagaccac	acagtgtggg	gcctgcagc	45120
cactccagcc	ccagcaacca	ggggtgactt	ttattccttc	ccatgccttc	tgatccccc	45180
caaacacaaa	ggagtggaca	agggcaggcg	ggcaggtggg	catacctgta	gtgctcaggg	45240
gcatgcttgt	cagtcagcac	ctgcaggtag	atggactgcg	accgcgcgtt	gatgcaccag	45300
ttctgggtcc	aggagcgggg	tggaggggag	gagggggata	tgaaccagg	catctgcccc	45360
cttgcccccc	accagcac	caaggcggt	ggccccctca	gcaccacagg	accatcacct	45420
ctgacgggac	aggtgatgac	agacaggctg	tccatgcgaa	gcctgggcaa	ggcaggactg	45480
ggactgaccc	tggatgccgt	gtccccaccc	caaggctccc	agtccaatcc	cccacccagc	45540
ccacctgggc	aaaggcaatg	agaagagct	ggtcatgtgt	gtacttgagc	cggggaagtg	45600
ggtgctctg	gccgtgcttc	cgcacccact	tctgataggc	ctggggacac	agagagcatg	45660
gacctctgat	gcccggccac	cctgggcacc	gcttcttctc	tgtctcccat	ctaggtagcc	45720
ctcctgctc	tccctgtgaa	ggggggcccg	tgaatccttc	ctcttcag	ggacgtggc	45780
ccagcacat	gccctgcccc	accccaggcc	agagctcagc	aggggtgggca	gggagaggca	45840
gctctgtccc	tcatctggag	tctcatcag	cccccgctcc	tctgcagca	gggtgggagc	45900
acaggcaggc	cgctcacgtg	gtaggccagc	ttgaggccgc	ccatatctgc	gatgtgttct	45960
cccaagcgt	gtgtttcccg	ttcacctgcc	gggaagggaa	aaggccaggg	ggctgcttgg	46020
ggcccagctg	gcctccctca	ggcattgata	ccttggggcc	cagccctaa	ttcctaccac	46080
ccctctcctt	cccttgccca	gagagtgtga	gggggggctc	caacctact	cttctctccc	46140
aacccgcttg	tctctgtaa	gtctgcggag	actcattatc	tgtccacgtg	agtgtgcgtg	46200
ggaaccgaat	gtgtgtgcag	ggacctgggc	acaggttttg	tttgacatg	tgcagctgcg	46260
caagggtgtg	cgtgatgtc	ccggcccggt	ccccaccagg	cctgaggggc	acaaggggca	46320
ggtgggggtc	tcacccgctg	gttgtagaca	gtgaagtgt	catagagacg	gacgatgcac	46380
tcagcctttc	gcaggaagcg	gctgtaggag	gcctccgtcc	accagtgcag	caggttccct	46440
gagcggtc	actggccccc	tgtgggcagt	gcagcaggct	gagacccacc	ctcacctgag	46500
ccccctccc	tccccaccca	ccagccccc	ttaggccatc	ccctaccctg	cctctccact	46560
gcctgtcctg	ccccctccg	gccatccctt	ggggcccaa	caggcctcag	cccagctgct	46620
gtagccgtg	gtcagctcat	gtccaatgat	gggtccgatg	cccccgtagt	tcagagacct	46680
gggcccacag	cagcagcatc	aggccctagc	cctccacctt	ctgagagccc	catgctgctg	46740
ccaggccccc	agatgtcccc	tggccggggc	aggaggtggc	ccaggggaggc	cacagaggca	46800
tccgtgcggt	ccaggggcac	atgtgcctca	gcttctcat	gcgctatgtg	aatgccagtg	46860
gaacctatcc	agcttctttt	aggaaatcac	atctaacaga	gctggctggg	cagtgaaca	46920
gggtcgagg	agacaggagg	gaaacggagg	cacctacgta	ggggtttctc	ctcctacctc	46980
atcattagt	ttgcgccacc	tttgaaacat	caaatgagc	ctcaaacaag	taaagaagac	47040
cccaggaagt	tacaaataac	aaacctacac	atttttctaa	ataaccaagg	atgtagtggg	47100
gagccagggt	ccacagctgt	cctgactcct	gaaccagct	gggtctgggg	cgatgggagc	47160
cacagtacgc	cgacacacac	ctggtagaca	aggtctgcaa	tggcagcctt	gcctcagcc	47220
acaaacagg	caagctatgt	actcactgtg	ggaagtca	gtcgtacagg	gtgggctgca	47280
ggatgccgc	ggggaacact	acaagaagg	ggtgctcagt	gggaaaccca	tccactttcg	47340
gacctgccc	cgccggcg	agggacacat	ccccttacc	atctggttct	tgttgggtag	47400
atagtaggca	ttgagcgct	gtggggggag	cagccacctg	tggagggatg	ctggggtgaa	47460
tgggggggaa	acactcctc	ccccgcctac	ctcacatcac	agcttctctg	tcagccatct	47520
cctgacagt	tgggggtcac	cctgcggcc	cccacccat	gccttctgct	ggcgtgtgtg	47580
ccccccatat	ctgcatggct	gtgagacgat	ttgccttacc	agctcctgcc	cttccccac	47640
aaccttccc	tgacccccc	ctctggggca	ggcaccacg	tggacttgtc	cacctcctgc	47700
cgaatcttct	taactgagag	ctggatgctg	aagcggatgc	tgttcaagat	gttcttgaag	47760
taggtcttct	catggacctc	aaactgcagg	aggcacgggc	gacactcagc	ggcaggccag	47820
ggcagggcta	cctgcagact	gggcaacaac	ctggccgtgc	aggccacctg	ccctcctgag	47880
tgcggttagt	agaggggctg	tggacaggct	gggcaggcag	ggtcaggggc	cacctcatac	47940
tccttgtcca	cagcctcctc	tttcagcag	aagtccgggt	agccgacct	caccatcatg	48000
tactggagct	gcgggcggag	ggcagggtgaa	ggtggacca	ggcctcgga	gacagcccc	48060
cgccccccac	cctaccacc	aaggaaagga	gcactaggcc	agcctgggag	tgggcttcac	48120
agttgggggag	gcaggcctgg	tcaactccac	gaaggcctct	ttgtcccttt	tgttctcttt	48180
cgctggtaca	cagtaggtgc	tcaatatata	tgggaccaac	caatgacact		


```

ggggcctggc agggaggtct gcctgcagtt gatagtcac ataagcttcc tggaggagga 48660
ggcctgtgga ggagcagcct ggggcctcag aatcggtga gtacttagca gggcctggtc 48720
cccctgcctg caggggacat gtggggctcc ccatattagg accatggcct cgggagggct 48780
ccaccctcag ttcagcacca tcctctctc tcaacaagg gcaaccacc ttggctttgc 48840
tggcagctga gaagtgtca tgtacaaaga gggcgccaag cgccatgcca aagtggcgat 48900
tggcctggcc caagcagacc cgggccagct cctgtggctt gtcgtgccc tccatctcct 48960
tgccagctc gtgcagtgcc tcacggaatg gcggggacag gtgttcaactc aggaccacca 49020
ccacgcgcca caccaggtag ttgtgcagga ccctggggac caggtgaagc cagtgggtgt 49080
ccagacggac atgcatgtgg gccaccaagg gcaccacccc tacctgtgcc cgccaacctg 49140
tggctggacc caggaccag acagcccac aaagaaggga cagggggtca tcccagctat 49200
gcagagcaga aaatgtaaag cccaccagc atagaggtcc aggggtgcagg ggaaggacct 49260
agtgaccgtt gggcagaaaa tgccagatct gcagccatac cgggtgggtg tggagcggat 49320
gagctgcgac acctgctgca tgtagtctgt cgccagcagc accacctcct ctctctctga 49380
gaagtctctc tgggaagatct ggtctagcag ccacttccac cgcaactgtg agaccaagga 49440
caggacaggt gaggttaggg ttggcagggg ccacagaaga caggagggg gcagagagag 49500
gcagcgaggg gacatgagag tccatggcca aggaacggtt tgcccatctc tggggagaga 49560
tgacctgtg taacctgag cagcattgcc ctcaaccctg cctgcccacg aggactgggc 49620
cacactcacg tgggggggtga tcttctgcag ctgcccacg gtcacctgtg tgtacatgga 49680
gctgacatct cgccgtaggt cgtcatactc tgacacagtg atctgtgggg agagatcaca 49740
gctgaccag ccctgctcca tgatgccctc cctcaagccc agggcagcct ccagtcctgg 49800
tctgctcacg ttggccagct gctgctccac ttgcaggatc tcttgggcct tctgttccac 49860
agcgtctgca cccaggaggc tgagcactcg ctccatgaac accctgtatg ctgccaggat 49920
ctgcaccagg ggaggggggt caccagggga cagggacagg cctagcctgg atccaccctc 49980
cctggggccc caggccttc

```

<210> 20

<211> 49999

<212> DNA

<213> Homo sapiens

<400> 20

```

cctgcctccc catcccatgc cccagcacct tctcactgtc ctcatcctga gcgaggtaca 60
gggtcctctc tggcaggggtg agcccatcct ggtcaatctg gggagggaga cagggggcac 120
aggtcagagg ccacacacct aggttcccta aacagaggga attcccactc caatgccag 180
agagcaacca gacatccatg agtacagcca cagaagcacg cagaccccag ctctcttttc 240
caccagaag agatggccaa agccccatcc ctgactgtcc cagcctgcgg atgcccactc 300
ttaccctgt acgtctgcac tttccttatc tgtccggggc attcgtaggt cccccactga 360
cagttgggac ccctagcttt ggggccaagct ccagacctcg cggagacgtc aaccagccc 420
gccggcgcgc ctctccctcc tggccctcac tgccctgccag agggctggga aattggcgct 480
cccgcggctc ctctaaacac cgcaattacc ccagggaaat tacttgccc ctcctcccgc 540
gctctgcctc tgtgcgtcc cctcccctgc cctctcctgc tcgtctcttc cctcctctcc 600
tctcacgcac ccgcctccc cgcgagggga ccctgggca agggcactgc gcccgggatc 660
cgcgcccgct ggcagggcgc tcagggggcg cactcacgcg gatgacgtag cgcgaggagt 720
tctgtctgtc caggtgacc gtgagcgaga agagcgcggc ggcgctgtac acgccctgcg 780
ccttgtacag cagccggttg aggtccatc gcgcgcgcag ccccgagcgc tcctccgcgc 840
cgccaggtc ccagccccg cagtccctga tgacctag catgggtcgc gggcccagtc 900
gctgatctc gcgatgtcg aggcacgagc ggaagaaggc gcgcacctg cgctgggccc 960
cgccgccagg cccacccccg ggccgcgcca gcaggcgccg taggtcctc gttttgctcg 1020
ccgatggccg cgatggtgcc ataggtgagc ttgtcgtcgg ggatggcgtg gcgcgcgagc 1080
caaccgcccg aggcaacgag tagaagtctt ggcatgggtc gatgctggcg tccaggttgg 1140
cgccagggaa gcgagcggcg cgcgcaagg ccttgcgctc agggcagccc tcgggacagg 1200
cgccgccgcc ggccgcgacc gggccaggt acttgagggc cagcatagcc gccagaatgg 1260
cgagaggcc ggccgggaac accagccccg acagcaggca cacctcgcgc cggttccagc 1320
gcggcagccc ggaccgggccc ccggtggcgc tgcgcgcag cccaacggga agcccgggg 1380
cagggaggcc ccgcgcgcgc ccccgcgcgc gaacggcttc acgttacttt gaacctcttt 1440
gggaacttca tccgtagtgt cggccgggtc agcggaatta cgggggggct tccattggcg 1500
gcccgaaggc ccgcggcgcg gttgcaagaa ccttggggcc aaacttgggg gctaacgggg 1560
gatgtcccc ttttggccgg ccggggcctt ccttctctt gggggccttt ccggaaattg 1620
ggggcccttt aaaaaaaaaa acgtacttga cctcttggaa ctcatcgtac 1680
tgcccgctca gcgaatacgg gggctccatg gcgcgcaggc cgccgcggtg cagacctggg 1740
ccacctgggc tacgggatgc gcgtggccgc cggcctctc gtgggcctcc gcatggccct 1800
ggggccgcag ctgcgggaag ggcggaagca ggctcaggag gcgcgcgagc cggatggggc 1860

```


ttaggggtcac	cgcgaggagg	gacacaggcc	tgggtgcaga	ggccccagcc	gcgggcctca	1920
ttcactgcgg	aaaccaggga	ctatgagggt	tgggcggggc	caccaccccc	gggtgcacag	1980
tggagtcttc	ccccctgtcc	cctccctgca	cacacttgag	ggccgcaggg	ttgggagggc	2040
tcttattgga	agcaagaggc	gccaggcaag	gggcctggca	cgtagtgggc	cttcattgaa	2100
aggtcgtccc	tcttccccct	cgcccttctc	ttccacgacc	tgccccagcc	aaggccgggt	2160
ggagtggggg	agaagcgga	ggctggagtg	aggaggtgcg	gtcaggggcg	cgctctatgc	2220
acactttcag	ctctccgcgc	tggaccacga	cagacgtctc	gcaaagcggc	caaagaacca	2280
aactttgttc	tccgggaagt	ccgcgggata	gaccacgcca	accccgctcc	ctggctcctt	2340
ctgctcggtg	gccccagcgc	ccactgcgcc	cttccctagg	ggcgcgcgcc	aacgccccag	2400
ggtggcggac	acacaaccca	cccactggac	ggccctgatg	gagaaccoga	gacgggttcc	2460
ctccccccac	tcccaccatc	tctgtccccg	ccccgagcca	ctcttggtct	caacaggttc	2520
tccccagAAC	ccaaacttgg	gcgaagtttc	acccccggcg	gggagcgagc	tggctggcga	2580
cccccgagcc	ccggcgccgt	gcggcgcaat	ccgcggagcc	cgagagccga	gccccgggagc	2640
cgagcccgca	gcccgcagccg	cagccggagc	cgagcccgag	aggacgcaga	caaagccggg	2700
aggctccgcg	cagtggcggc	ggcgcgagcg	gaagtggccg	cgatggtggc	ctcagcggca	2760
gggactcggg	cgccacttac	ccggcagggt	cgcgcgccag	ccggcgggtg	ccgagcgggt	2820
cgggcccagc	cgggggcttc	agccgcagcg	cagcccgagc	ggcgctccgt	gtctcccagc	2880
gcccgcgcgc	tctctgtccg	cgcgcccgag	cccgccgcgc	gcggcgctcg	ccggcccagag	2940
ggagggggcg	cgccggcggc	tccaccctcc	tccgcccgc	ccgcgcgcgc	ctccttccctc	3000
ctgcatctct	cgggccacct	ggcagtgggg	cggcagcgcg	gacgtgggtc	ggcgcccgcg	3060
gagacaggct	cccgggggtc	gtgcgcgggc	tgcggtcggg	gactccgggt	ccagccgcgt	3120
tccgagacga	gtgagggcag	cgagtactcc	cgtgaagggt	cccctccgat	ccagtgtccc	3180
cactcccagc	cgcccaccag	ccggtcggaa	aggggctgga	gctggagatg	aggagccgag	3240
gactcctccg	aagggtctgg	ggcggtgtca	gtagtgcctg	tgtctgccgg	cacagtcctt	3300
ggcgagagcc	gcaccttcac	taaccggctt	ttttgtcctc	cttgaacccc	ctgcccttga	3360
tgggtctctc	actagggtct	ctggttggcc	tgcctcctct	cacctagccc	ctggtgaagg	3420
gagctcagcg	gggactcctg	caagaagagg	gcttgccgcc	cccttcccca	tcttccccag	3480
ccttggggtg	ccctggcacc	acggctcagg	gagtccttgg	cccaggtagg	aagaaaaggc	3540
caagagaaga	atgagcgaag	tctccctgct	ggagccaggg	aaggctggag	cctgccccct	3600
ctggccagca	gccctaggcc	tcagacaggc	cctgagcctc	aagaccctgg	tatgtggact	3660
gatgggaggg	caggctgggt	gcagggactc	tgaatttact	caccgcctgc	cttcttccag	3720
gtaaactggc	tttttaaattg	tggggcctcc	ccactgcctg	gaggcaaagc	cctattctac	3780
ctgcctgcct	gccttggccca	gacagcctgg	ccctaattgg	acacagagaa	cttggggctc	3840
cttggaagac	tgatactgtt	tctggagtct	ctgctttctc	tgccctaccc	tgcccttggt	3900
gtctctagca	ggagacccct	caaagcacca	gccttccag	gtctgccggc	tccagcccg	3960
aggattggct	taacaattgt	gtgagagcca	tggagcacca	tctaataaaa	atcacacaaa	4020
ggtagggact	ctgataacct	accatcatc	ctgttctcct	cctcagggtc	tgtgcatctg	4080
cccagctcct	gagccctggc	cctgagtgcc	ggcctctgcc	cctgtcttgc	ctctccctgc	4140
ctcttcatct	ctccatctct	aagccccac	tccggatacc	ctgcctccat	ctctggccac	4200
ccagggttg	tctctgccc	catgcatcct	tcttgggtcc	tattaattct	aaagaggaaa	4260
aatggaatta	cttataatgt	ggcgattcca	tgaagggggg	aggggagggc	agggaggtgg	4320
caaagtggct	ctttgtgctt	ttaatctgca	tttttcctc	aatgttcccg	tctccaggag	4380
gataattttc	cagccttttt	aggccctgat	tggatatcatt	tctccagcaa	ggacagcttt	4440
tattttcccc	gaaatgaatg	ccatgaaatt	tccaagaaat	gtaaaaatgg	atatgtcttc	4500
agagagccct	tccgcagaca	aaggcacaga	ggcaaacacg	cttccctagg	gactctcttg	4560
ctccagtcct	gggggtgggg	tggggggcac	ccccaggcc	ctcattctct	cctccctcct	4620
tttgccctcc	ctcatccctt	cctcctccct	cccggtcag	ctctgggacc	ccccttccag	4680
ccacctctc	ccagatcagc	tgctattgg	ctgctcatgg	gcctcccagc	tccctgcccg	4740
gcgacctgcc	tggctccacc	tcacttttcc	ttttcacatc	gcattccccca	gccccgggct	4800
gagagcagca	accagggcct	acaggagtgt	acttggaatt	gggcccctctg	acccctcagt	4860
cctggccacc	ccacacagac	tgccaataaa	gagaagtcca	aggcccacct	ccttgactct	4920
ccggcacctt	ctctgtaagg	gaagctggca	ctgtagggga	gtaggcacca	gtggtcttgc	4980
ctgtagcttg	ctcactcttt	tggggagatc	cttctacccc	ctaattacca	agatgacccc	5040
atgactcatg	agaaagagaa	tgacaggcca	cagtgggtgc	cagctaaacc	cagccaagcc	5100
ctgagtggag	cagctgggtg	cccagcttca	gggagcagtt	gggtgctgcc	agagctgcct	5160
tggagagaaa	aggcccagg	ggatgcaagg	gggcagagat	gaggggttca	gaacctgact	5220
ctctgtctcc	tcttgacca	agggtagatc	ccagcaactc	tgccgaacag	ggcatcactt	5280
ggtttggtt	ctggacatag					

caccggcct	ctcgggctc	atcccatcta	ttattcacag	cacaaatg	attttaatt	5700
tgagaaatga	aatgactctc	ccaagtggcc	ggggtggcag	ggagggggtg	gaggaaggcc	5760
ggagccgcg	tggccgccac	agccgccacg	gtgtgactc	aggttcattc	tggaaagctc	5820
ggggcccaca	gccgaactga	gagaccccaa	aggcccagta	ccccaccact	ctgccccagg	5880
cctccactcc	tccccattgc	tgtgaccagg	tggggtgacg	ggtgcccggt	ggtcctgctc	5940
gagcctccag	tggggcctac	ctctggcagg	gcggtcgggg	ggacagctgg	atctgtctct	6000
cactggcttt	cagattctctg	tgcctcaagg	gcagcccttg	ggctcccttg	cttggcctat	6060
cacctcccca	caccccccg	cctctctggc	ctggcttctc	ccacctgtc	cagacctctg	6120
gctgaagctc	tttgctaggt	cctgacccca	cactaggccc	actccggcct	cgactgctgg	6180
cactggcctc	cgctgctgga	cacctggcct	ccactccggc	ctccacggca	gaacccctcc	6240
tcacccctca	cgggggagct	caggcatctt	agtgtggccc	acaaggcagg	gcctcctcct	6300
ggctcttctc	tgtctttgtc	cctctctgcc	tccccacccc	catacctccc	tctttcctct	6360
ggttactctg	atctatttcc	atttcccaga	acatggctgg	ctctgtcatc	cctcaggcct	6420
tagcaacttg	tgtttcagct	gcctggaaca	cccttccccc	gtccctctct	acggtggcca	6480
attgccaaac	atccttcagg	gccacctgga	agtggcctct	cccatctggt	caggtgctgc	6540
ctccacaggg	ccttactcca	cggatgcaa	agtctctctc	atggcagccc	ctgtttcttc	6600
cctccaggta	gcccgcggcc	ccttctggag	cccaggacag	gggacgcata	tgataaactc	6660
agctgacgtc	cgtgatcagt	tcattggagat	gccttgccctg	agacatctct	cagcgccaag	6720
ccatacacca	ggcacagcac	ccaggcaaac	ctgcccaggc	tctcagatcc	tgaacacctt	6780
tcctttgtct	tggaacccac	cagatgacaa	agtggggggc	acttttccac	cctcctgcac	6840
ccctcctctc	cactctgaac	cccgtggtag	gctttgtcct	cgccatgcat	agactcctct	6900
tggggtcacc	tcccaacctc	tggagcaatg	ttgtttttgt	acaagaaaac	tgtaaataat	6960
ctcttgtttt	aaaatattga	agccacacaa	gtttgtagag	gagaaacatg	aaagtcctcg	7020
ttcacgcagc	ctcagccctc	ccaaggtaag	gccaggtagg	ctctgcgacc	actgcagggg	7080
gagcatctag	gcccacttgg	gtatcacttt	attttatcgt	cttttttgtt	gttggttttag	7140
agatgacgtc	togttgtgtt	tcccagagag	agtgccagtg	tgcaatcaca	cctccctgca	7200
gcctggatct	cctacgtcta	agtgatcctc	ccaccttggc	ctccaaagta	gctgggacta	7260
caggtgttcc	taccatgcct	ggccaatttt	tttttattgt	gtagagactg	gagtctcgct	7320
atgttgccca	ggcttgtctt	gaactctggg	tgatccgcct	acctcgccct	ctcaaagtg	7380
tgggattata	agtgtggggc	actgtgccca	gcccttactg	atttattttt	aataaatagg	7440
acacaatagg	atggatgggt	gagtgcctct	cctccccatg	tggcctgtgc	tagtgtttcc	7500
aagccagagg	tctcgggggt	cacctctctg	gactgaggga	tacttaggtt	gtctcactca	7560
ccccatctgg	tctccaaatc	ctaaggcctt	ggcccagagt	tttgccctgc	actctccctc	7620
tctgcccgcg	ctgtcccacc	tccctgcctc	cctgcccctc	ctccatcccc	tggatgctgt	7680
gcccaggtgt	tggctctgtc	tcccaggtcc	caccacaccc	tgctggcgct	ggaaactcac	7740
tgactctcaa	accagcctt	ggaaagactt	ctcacctcct	ctctctatct	ttatcccttt	7800
cctgtctcca	gctctggccc	ctcctcctcc	ctttcttagt	ggagaagggg	gtctctccct	7860
ccttgccctac	ctgggtgctg	ctgcagttct	gcctgttccc	agccacagcc	tcgggttagc	7920
catggccact	gtggcttctg	aggcctcctg	ggtgtgggtc	cctcatgtct	ccttgagtgt	7980
ccctcctcta	ccagcatggc	atactcatag	cacagccttt	gttcgagctg	tccctctctc	8040
ccaacttctg	tgtccccaga	cctgtgtccc	tccttttaggt	ccatctcaag	cttccaggat	8100
ccccctgaca	ggccccccac	tgaggaagct	gccccagggc	ccctggcacg	gagggatgca	8160
tgccccccag	tgcccagccc	ggagcctggc	acgtgacccc	agagcagggg	tgcccagagc	8220
ctgggcagg	ctgaatggaa	caaggcccca	gctccaacct	ggacaggcct	gtcgccaact	8280
gtgggtggaa	cagccactgt	cacatgcgga	gcggctccca	agcgccatgc	tttgcgccaa	8340
gacctctatc	ccctccacac	tgaacctcac	gctgagtaag	cccacgaggg	agccctgtcg	8400
ttgtccccag	tttacagagg	aagaaactgg	ggtgcataga	aggaaaaggaa	gatgcccagg	8460
ttcacgcaga	gactcagtac	tgaacgggag	gcttgaccct	gtgtctgctg	cattcagagt	8520
cacagggcca	tgcacactgc	gagctgggag	atggaagaac	agctctgcag	agggcagcag	8580
ggcactcagg	aacccaaagt	acggcagctc	ggagccaggg	tcccagcctg	ggacctcagg	8640
cccagaaaat	gcgttgagg	tgccaaaggt	ggctttgtct	agcgacctca	ggaggcatct	8700
cagggcgtgc	agccgggacc	ttggcctccg	tccgatgtc	gccacttcca	caggccctct	8760
ctggatttcc	ctatctgaag	aggccaagcc	atttctgtc	tgtggcactg	ggtacatccc	8820
ataccgcatt	tgtccctacc	tgacgttatc	ttgtgactcg	ctattttcac	gacagcctct	8880
cttccctcag	tctgctggaa	ccctagattt	tcctattgcc	ttgtccttcc	tacccaacct	8940
ttaagtggca	aggccttggc	cacaaggcag	ggagtcagga	gtgggggcca	gatttgaggt	9000
caaagtcgga	tagtggctat	gggggacagg	aaggaggggg	cagtggagag	tctccggcca	9060
gtggtctcta	gccctgacaa					

aggggaggag	acagaggggtc	tggggagggg	gatattggca	ggcggggggc	tgggaacagg	9480
gccatggccc	cttgtggggc	cttcttccag	actgtgtgtt	tgaggggtca	ggcattgtca	9540
gaagctcctt	aaagtgggta	aaggactaga	gaagcagatt	tggcgctccc	gtgattcacc	9600
ctgcatcact	gtgaatatca	gtgcccacct	ctgccccacc	tctaccacct	gccaccacc	9660
ctggggctgt	gggctggaca	gcacatggcg	aggcctccca	caggcctcct	cctctgttgt	9720
gttgataggt	cagatgggag	gacgggcaac	tgggtacaag	gttcccccaa	ctccagcacg	9780
gcccggagca	ggaagccttg	gtggcaagtt	tctgccttcc	cttccacctg	tgacagcctc	9840
ttggggaggt	gctcaggcct	gccaggagta	gccagctgca	aggtgcatat	ccacatgtca	9900
ccggagagtg	ccagctatgc	ctggggctgc	ccctcagcct	ggcaccaagc	tccccctctg	9960
gcaagaggtc	ccagagcctg	tgacagaact	accaaagagg	gttattagtt	ttgtattgct	10020
gcaaaacaaa	gtagcacaaa	catagctact	tacaacagca	cccttttatg	acctcacagt	10080
ttctgtagtc	agtgttccag	gcacggcatg	cgatttctctg	cccatggccc	cactgcgcca	10140
aatcgagatg	tcggtgggg	atacggcgct	catctggggg	tcaggggcct	cctctaagct	10200
cagggtttgt	ggcagaattc	agtttcttga	agtctagaa	tcaaggtgtc	cactttgggg	10260
ttctgtgtgc	agctcccaga	ggccccctcc	atttccacag	ccagcaattg	agaattccct	10320
ccagtggagt	cttccacttg	cttcaagttt	ctgttttctt	cacactgacc	agcccgggaa	10380
actctctgct	tttattttatt	tatttttttaa	gagacggggg	ctcactgtat	tgttcaggct	10440
ggtctcaaaa	ctctgggct	caagcaatcc	tcccaccttg	gcctcccaa	ctgctaggat	10500
tacaggcatg	agccactgca	cttggcaaaa	ctctctgatt	ttgaagggct	catgtgctta	10560
ggtcggggccc	accccaataa	tctccttacc	tgaaggtcaa	gtcttttgga	accttaatca	10620
catctgcaaa	atccctgcac	accagtcccc	agattttgtg	tcagttgaat	agcgggtggga	10680
tgcgcatgtg	tacacgggg	gcggggaatc	ttgggggcat	cttaggagtc	tgccctaccac	10740
aatgatgtgg	gtcagagaac	aaagacagcg	ctaggatag	aagcagctga	cttccagggc	10800
aggccctggg	cattagtgct	gaattatctc	attcactcct	caggacaatc	ctaggagtag	10860
gtgctactat	tatccatttt	tacaggggaa	gcagctgagg	ccctgagaga	ttaagtgact	10920
ttcacagtca	cacagccggt	aaatgaccac	actgagagat	taggggtatg	tggggtctga	10980
tcagagcccg	gctgtgtgtt	cttaggaaag	tcatgtacct	gctctggggc	tctgggaaat	11040
ggatgctgag	gtctgttccc	catagacaag	tgggtgagac	ttggggccat	gttgcaaggga	11100
ctcagcagtc	taatctgtgc	ccccaccaca	ggtagctggc	atctgtgaca	cccaatgagc	11160
tggggtccct	gctgtcagct	gtccattcac	tccagctctg	acttcttttt	tttttttttt	11220
tttttttgag	gcaaagctct	actcttgtcg	ccaggtctgg	ctgcagtggt	gggatctagg	11280
ctcactgcaa	cctctgcctc	ccgggttcat	gcaattcttc	tgccctggcc	tcccagtag	11340
ctgggattac	aggcacccgc	caccacgccc	ggctaatttt	tgtactttca	gtagagatgg	11400
ggtttcacca	tgttggccag	gatggtctca	aactcttgac	ctcaggtgat	ccaccctcct	11460
cggcctccca	aagtgtgtgg	attgcaggcg	tgagccacct	cacctggccc	agtctgacct	11520
ctacaacca	gtgatgatac	tccctaacat	tgaggctggg	aggctccaca	gtacaggaac	11580
cccaagatta	atggccagga	aactgctgct	cctccatggg	ggctggggcc	ctagacaact	11640
gagtggagcc	ttgcagacct	ttgcccaggg	gtgctcgtgc	gtgctctgtg	ggcgggtccc	11700
tctatccctt	ggggcttggc	tctcccact	catctggctg	cagctctgga	aggtagggga	11760
ctgcagaggt	gtcagtgctc	gcccactccc	cctcccatga	gaaaggctgt	cagcgcccca	11820
taggcggcct	cccccccagc	ctccaccccc	atgcttcagc	ggcctccctc	agtaatgggg	11880
ctttatcata	gcatgcatta	gctaaggcct	gctgcctgca	attatccctt	caatcagcca	11940
cccaccaccc	accgccccca	gcctcaggcc	accacgggg	ccacctcacc	cgccctccct	12000
gccccatccc	caagtacagc	acaggtgccc	aagtctctgc	agatggacag	agcagtgacc	12060
cctggcagca	ggcgcttggg	gcaggggcag	ccagcggaca	gagagctact	gctcagggtc	12120
acagggcaat	attttaaaag	cctgttgcag	gagaatgcgc	tgctctgcca	gcacaacctc	12180
ctcatcctga	gggttgcaac	gcccagggtt	gctgcacggc	tcacgtgcac	acacgggtgt	12240
tcacacgtgc	cagtcatgca	cacagggacg	ggcactgcca	gggcacacgt	ggtgtggatg	12300
cagagccctg	tggtctgcac	gcagacccca	gagagatggg	gtcctggcca	ccctcgaggt	12360
ctgctcagaa	ggaggcccca	cttggcccaag	cagccctcat	catttggggg	ctttccctac	12420
agcccttggc	accctcccac	ccccatcccc	agcacagacc	acctcctgac	ctttgactcg	12480
cccacccccac	gcctggggta	cagggacggg	ggcctgagct	gaatgggagg	acttctctgt	12540
acatccagcc	tcacgtctgg	gttgccagga	gaaataggcg	agaaggcgga	cctggctggg	12600
ggagtggagg	aggggaccgc	tgttgtgtgt	tgattctctc	taattgtctg	tttgtctgga	12660
ggtaattaaa	atctcttttt	atttcacacg	tcagagcctt	cgctagcctg	tggagagggc	12720
gcagggggag	gctggggggg	gggggcagtg	gagagccggc	gcatggaggg	gtcagggagg	12780
tgaagcatct	gagcccagcc	tgcctgccag</				

cctcctcaga	gcccattgga	tgggccacag	ccttgggact	cctgctcaag	acccatgcac	13260
cagtccatgc	ctgccactct	ggaccccatg	atcacctgct	gacaggtcct	ttgggtctgg	13320
agaaccggga	ctcacatcgg	ccaccaggac	ttgtggatgc	ttcccaaaga	cctgggaagg	13380
ccagggggcc	atggcgagac	cagagccccg	accaatgcc	agccagggtc	aggcaggaaa	13440
gaagagaaac	ctctgccttc	tcttgggctg	gctggaggca	aggggggttaa	cagtaggttg	13500
ggtaggcaca	ggatccacag	agaagcacc	tttggtctca	tacccctgca	tcaccaagct	13560
tccatctgtc	cttgcctatc	ttcttcacta	gacctgaatt	gcagcacccc	atccttgtca	13620
tcttccccct	ttctaccacc	atcagcacca	taccttatct	tgatcatctc	ttttgcctta	13680
attccccaac	atcatcacca	cctccatcat	catcatcatc	atcatcatca	tcatcatcat	13740
catcatccct	ttcaacaaaa	ccgtcaccac	catcatcgcc	atcaggactc	accttgtacc	13800
tgcactgttg	catctcactg	aatccttgca	acacctacca	aggggcagggt	accattatta	13860
tcttcccact	ttgcagggtg	aggagaccat	agcttacaat	gaaggggctt	ttccaaagtc	13920
atgaccagga	agtgtcagag	gtaggacttg	aacctaaact	gcttgacatc	agagcccaaa	13980
gtcataaccg	ctatacttta	ccacagtcca	tcaaggggtt	ctaaggaatc	aagctggggg	14040
agggggggcaa	gggggaagga	aagtggggga	gagcaacttg	ccacttgga	tactcaggag	14100
cagcagcatc	agaggcaggc	cctccctgca	gccagcctgt	gtccacccc	cactgggtga	14160
tggcagttgt	gcccagcct	ccctggctga	gctttctacc	ctgcagagtt	gcatagaggg	14220
gatgttaaaa	gggactgtgt	tgacttgaga	agctgaatcc	tagttttgtc	tccagtccaga	14280
tggaggccag	cttgccccac	ctccctcaac	atccctcac	ttctgggcca	cggctggctc	14340
tggggggcgt	cattcacctc	tctgtgggtg	cggccaggct	gaggatggac	agtgtgttcg	14400
tttgggctgc	tacagcaaac	acgacgggct	gggtggcttc	aacaggggcg	gtgtatcctc	14460
acagtctctg	cggctgggtg	tctgagacca	gggtgccagc	acggctggct	tccgctgggg	14520
gcctcctggt	ttgcagatgt	tgtcccctgg	ttgtctcctc	ccacggcaga	gagcagaggg	14580
aggaagcatg	ttctctccca	tctctttctt	gaagggcaca	catcccatca	tgagggatcc	14640
accctcatg	cctaatac	tcccagaggc	cccaactcca	gaggccatcc	cactaggaat	14700
tagggcttca	acacaggaat	ttgggggaca	ctaatatgca	gtccacaata	gacagtggag	14760
ccaggggccac	gcggcagccc	agccgggacc	tgtgtgtgt	ctcaggacag	gttatggcca	14820
agagaaggct	ctttcctcag	cctgccagcc	tccctctctt	cagccttctc	tgtccccagc	14880
cacagcccag	ggcatttgcc	ttgaagtatt	gttcccttag	ggtggttgga	gtgggcagcc	14940
atatcccag	acacgagcca	tctgatgggg	gtgctgaggt	gggaaatggg	ggcccggggg	15000
actgcagagt	aagaattggg	ggtccctact	acccatctga	tgggggtgct	ggggtgggaa	15060
atggggggccc	gggggactgc	agagtaagaa	ttggggggccc	tgaggcccac	tggcaagtg	15120
tcacctctta	caggcaggga	tgaggaccca	tgtgtgcagg	cagctgggtg	gactgactca	15180
gagttaagca	gatccgggaa	gcaagggaca	gaggggagag	ggaagagggc	aggagtccc	15240
agcagccctg	agaggagaag	ccggggcttc	ctggggctgc	aggagtgggg	tagggtctgt	15300
ctcagctgtg	tgcagcagcc	tgggcctggg	ggtaggggaag	gagctcgctc	atctctgcat	15360
cccagtgca	tagecgtggc	actaggaggt	acttcatatg	tatggaagga	aagaatgaat	15420
aaacacattc	taggatttca	aactgttctg	ataggacatg	acacccatgg	aggtgctccc	15480
catcattgaa	gcaaaagggt	tgaaagccca	ggctctgaag	tcagagtgat	ctggattcaa	15540
tccagcgcc	accctccact	agctgtggac	aggttactta	gcctctttag	gcctcaattc	15600
ctttgcccc	aaataggggc	agtaatatct	acccaggcta	gatttaagtg	agatgacttc	15660
caaagagggc	agagaagagc	cttgtcccca	tcatgggcag	ctagggagtg	gcccagtgtg	15720
ggcagtcctt	gtccaagccc	acccctccct	ccaggaagga	gggaggacag	ccagaagccc	15780
tgagcttccc	tcccattctc	cctccaggcc	ctgatcactt	cccacaccca	tcatttctcc	15840
ccacaaggag	aaactgggca	cggctgaccc	caacgagatg	aagttcccca	gccagctgct	15900
ccagggcagt	gagaagaccc	ccagggcagg	gccaggaggc	agggatgagg	gcagagactg	15960
caggatcaag	gatcatgggg	tgtttggggc	cactgggaca	tctgggaagg	ggccccacag	16020
aggccagtgg	agteccagag	cagagggtga	gttttctccc	tgtacctgc	tgagtacccc	16080
tgcttgagcc	cttctgggtc	ctaagcctcc	atttctcat	ctgtaacatg	ggaataataa	16140
caggaccaac	ctctcagggc	tgtcatgggg	tttatgaggt	gatgctgtga	aagtctcgag	16200
tggtagcatg	tctggcacac	agcagggcct	tagccacaca	cgcacccaca	catatgcata	16260
cacatatatg	tgcagaatac	cacacagggc	tggctctgga	gccccctccc	cctgccccctg	16320
gcacatctgt	ggtggtgatg	ctctcgcctc	tccctcctg	tcaatgttcc	ctgcagctga	16380
atggaccaat	tttttagcat	tacggagatt	tggccaattt	ggcgaccttg	acagaaaggc	16440
gcacagagaa	ccgttgccctg	ggggcggggc	gggtgtggaa	gccagggttg	gagaggagga	16500
ggaagatggg	aaggagaggg	gctgtgggct	ccaccacctt	cggcctgctg	ccagcccagc	16560
ccctcctagt	ccagacaagg	cggggtggag	ccactgcaga	gatcacaaag	ataattagcc	16620

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

[illegible]

tcaaattcct	gggttcaagt	gatacttcag	cctcctgagt	acgtaggatt	acaggtgcac	24600
gccaccatgc	ccagcctatt	tatttacttt	tattttttatt	tttgagacag	agtcttcctc	24660
tttccccagc	gttgaggtgc	agtggcacaa	tcttggctta	ctgcaacctc	cgctctccgg	24720
gttcaagcaa	ttctgggtgc	tccgcctcct	gagtagctgg	gattacagtc	gtgcaccacc	24780
atgcctggct	aattttttgta	tttttagtag	agacgggggt	tcaccatgtt	ggccaggctg	24840
atctcgaatt	cctgacctca	agtgatccac	ctgcctcagc	ctcccaaatt	tctgggatta	24900
caggcataag	ccaccgcagc	cagccaatgc	ctagctaatt	aaaaaaaaaa	atttttttgt	24960
tttttttgca	gatatgggga	tctcgcacat	ttgcccaggc	tgggtctcaa	actcctggcc	25020
ccaagcagtt	cccacctcag	cctcccaaaa	tgctgggatg	acgggcatga	gtcatcattc	25080
ccagtctcgt	acacggttta	ttcaactgag	tccttcctcc	atcactacct	gagtgtgtgc	25140
tacttttctt	ttttgctctt	tctgtcaatg	ttgcagtgaa	catctttgta	catctgtcat	25200
tttataactg	tgtttttata	catatctgta	ggacaaaatg	ctctgaagtg	ggagtactaa	25260
agaataagaa	gtcgtgagac	caggtgcgat	ggcatgacac	tttgggaggc	cgaggcatga	25320
ggattcttga	gctcaggagt	tcaagaccag	cctgggcaac	acagctagac	ctcttctcta	25380
taaaaaat	taaaacttag	ctggatatgg	tggcaaacgc	ctgtggctcc	agctactcag	25440
gaggctgagg	aaggaggatc	acttgagccc	aggagggtcaa	ggctacagtg	agccgtggcc	25500
acgtatttgc	actccagcct	aggtgacaga	atgaggccct	gtctcattta	agagaaaata	25560
aaaattaaaa	ggagaataag	agtgtgtgta	ctgtgggtag	gtatttgtgt	aggcattgtc	25620
aactctcact	gtgactctcc	taaaagcaat	gaatgagact	gtttctcaac	agactcacca	25680
aaatcaaact	attggatttt	tgccataaat	tcacttgtgt	tcagtgcctc	ctccccagg	25740
aagcctgccc	tgacctccag	agtgtaaaga	agcccttcc	ctgtccccca	gcactcaagg	25800
cttctectac	acagcgccgt	gtgcatttga	gtgactttac	atagctctta	cttttttttt	25860
ttgtgttttt	tttttttttg	agacaggatc	ttgtctgttc	acctaggctg	gagtgcagtg	25920
gtgcaattct	gactcactgc	aagctccgcc	tcccggttcc	acgccattct	cctgcctcag	25980
cctcccgagt	agcctggcta	aatgttttgt	atttttagta	gaaatggggt	ttcgccatgt	26040
tagccaggat	ggtctcgatc	tcctgacctc	gtgatccacc	cgctcagcc	tcccaaagtg	26100
ctggaattac	aggcgtgagc	caccacaccc	ggccagtcct	tgctattatt	acttctttac	26160
catttgtcta	ccaccaggct	attagctcca	tgagggcagg	gactgtgccc	cagttctcag	26220
tgcagcatgg	gcattgtcata	gatgttgagc	acacctttgt	catctgggac	agccccctgt	26280
gtgcccagca	ccctagcagc	tgctttggct	gggtggcctg	agctgagccc	ctcaacaacc	26340
ttctgaggga	ggccctggta	ttagctccat	tgagcatagt	gggagatgga	ggctcagaga	26400
caggaggtag	tttgcacaag	gactcacagc	tggccagctg	ggaagtcctt	acccctcacc	26460
cccagccctc	tgcacaacat	ctcggttga	ttcttccct	gctctggtec	gtgggggtccc	26520
cagtcctccag	gaggcgtggt	ccggcccagg	tcacagtagc	aagcccagga	tcggccctcc	26580
cacaccacct	gcagtgatgc	agagccaagc	tgggggccag	cctgagtccc	caggggcctt	26640
gtcagcctgc	gcggtcaggt	cccttgtgca	gtggcagtg	cagggaccac	agtgacctg	26700
gtagccatac	agttgctaca	gccctttccc	ggaggccccg	tggctgtgct	ggctttgtgc	26760
ccaactgtca	ctctgtcccc	agtggctcct	catgctggct	gcctgcctcc	ctgcctccca	26820
ttaatcatgt	gtgtgggatt	tattttctcc	agcaatttat	ttcagcaaat	gcaatctggg	26880
tgtgcccgca	ggtgggcagg	atgctccgtt	gctgccagag	tcacagagcc	cagctttatt	26940
gtcaggctga	caggcatgat	tccccagcga	gcacccccac	cgcagatgcc	aggctagacc	27000
aagccctggg	gcaggatgct	aaggaccctt	gggactgttg	ccaccccccac	atcactgtga	27060
acctcaaagt	cccataggcc	tgggagccca	gcttgcccca	ctctctttat	tggttttgct	27120
gcccctacca	atgctagctg	gctaaagggg	tgtaggggaa	gattagccct	cctgtccttg	27180
gcctaaaacg	ggcagccaga	ggtctcttcc	gaagatccag	gtggtggtcc	ttttcagttt	27240
cctgacctgg	ggaaggagga	ggtccttccc	ctggagcccc	ctcctcccca	gaactgctgg	27300
gcagcccaga	cctgattccc	atgacagtca	cggagggaaa	caatcagcta	aggcaaacc	27360
tgccaccccc	tcaccacccc	cgcaacacgc	atcctccttt	cgggggctcc	ctttcattcc	27420
ttaatcacc	catgcccctc	tctctaggcc	accaagtgtg	gcctccctgg	ggctagggaa	27480
aaggacgtgg	ctttcagccc	aggacaggag	caagtggctg	ctcagctatg	atctcaggtc	27540
ctgagacacc	gctgtctcca	gttatctgcc	cacttacagg	ccttggaagt	cgaaagggaa	27600
agagctgtgg	gcagggttgg	gcagggaccc	tccacttgg	ctggccctca	ccaagccctt	27660
tgcagcctgc	acccactccc	cccagccctg	cagtgtttcc	aggggcccag	accctagcct	27720
gcgggcaact	gcttctcttc	ttagtatccc	ccaggttcat	cctgaggccc	cacccccagc	27780
ttgcctgcc	tggccaggct	gcctctaatt	ctgcagataa	tttctgctgt	cgcaaagcca	27840
ttaccctgca	aatgggctga	ctccagcatg	tgtgcgtgtg	tatgtgtgtg	tgtgtgtgtg	27900
ttcccgtgtg	tgtgcatgcg	cacgtgtgtg	caggggagg	ttggctgcgg	caggcaaagc	279

tctctctctt	cctctccctt	ttaggtccct	cccatcatct	gctggcccca	accccacgcc	28380
tatatgtctt	ctcagctggt	ctgcctcacc	cactcctgcc	tcacacagct	gagtcacctg	28440
caagggaaga	caaagcctcg	gccccaacgg	tttcatccat	ttcaagaagc	ttcaaccttt	28500
gtgtgggtac	cttagcaaac	ccctgcaggg	ttagcagtca	gaaggcactt	gtggactccc	28560
aaggcagggc	tgggcagagg	ttgaggggtg	ggcctctggc	agcaggcaga	acagccttcc	28620
atctcttctc	cagtttctag	cagtggtggt	tcagctaggt	caatcaactt	ctccgagcct	28680
cagtgacctc	atctgtaaaa	tgggtctgat	gacacctgcc	ttaagcagtt	attatgaagg	28740
tttgatacat	tgtaatacat	cgaactacat	gaaattccct	ttactcaacc	agcttttgac	28800
attaatgagt	atttactcgg	tgaaatatta	tatcaataaa	ctgtcttatt	gaaaagattt	28860
ctacttggtg	cctgtccttt	tcttttttac	tcttgatggt	tcgtatttgt	ataaatgcta	28920
cctgctgatt	ttaaagaatt	caagtaacac	aggaaagcac	acagaagaaa	gtgaaaagca	28980
aaacacaata	aaataaacct	caatttcaga	aattaagcca	tcattaataa	ataaccacca	29040
tttcagaaa	tttcttttta	cattgatgca	gataagttta	gagagataga	ttgctagaaa	29100
tttgctgtaa	ggaggggatcc	tattgaaaat	tttaatatga	cttattaaat	ctaatttgag	29160
tttatgttgg	cagcagtaaa	tgaagcaacc	atgaagagaa	ccacatgact	ccaagaacca	29220
tctctacatc	agagagatgg	tgttttctaa	aaagatcatc	taaggctggg	cgcggtggct	29280
catgcctgta	atcccagctc	tttgggtggc	cgaggcgggt	ggatcacttg	aggtcaggaa	29340
tttgagacca	gcctggccaa	catggtgaaa	ccccatctct	actaaaaata	caaaataaagc	29400
cgggcatggg	agcacacacc	catgctacac	aggagcccca	gctactcagg	aggctgaggc	29460
acgagaatcg	cttgaacctg	ggaggcagag	tttgagtga	gcccagatca	tgccaccgca	29520
ctccagcctg	ggtgacaagg	gcaaaactcc	atctcaaaaa	aaaaatcatc	taagttaaca	29580
aaaagatttg	aaagcaatag	caatgggaaa	tactgatcag	ggagagtcta	ctatgtagga	29640
ggaggggaaa	atgggaatag	tagcatagaa	attgaagggtg	ttaaattagc	aaatttcaaa	29700
gaaacacagc	cgtcagccag	actgaaaaaa	aggaaaggaa	acttatggag	atcacaagaa	29760
aaaagacaaa	agacaaaaaa	gaagaacagg	agaggaacaa	agcaaaattg	tgaatgggtt	29820
tgattctttt	tatcacagta	tgaacacgtg	gtcttcagtg	gcactcagtg	tgctctggat	29880
tgtaccgtgc	ccaaaatgta	gagtgagggg	agggcgggga	ggccaggggt	ctcacctact	29940
aaggaaagcc	ctggatacag	ttccaggatc	actccattct	cagagaacca	cagagcctgc	30000
aggcgcccca	gcttcagcag	tgtcccttcc	tgggtagac	agcaccctcg	cctcttcaga	30060
gccctcttaa	agtcaaatac	aggccaggca	tgggtggtca	tgctgtaat	tccaacactt	30120
tgggaggctg	aagcaggagg	attacttgaa	cctagaagtt	caagaccagc	gtgggcaata	30180
tagcaacaag	ttgtctcaaa	aaaaaaaaaa	aaaaaaaaagcc	aagttcagcc	catggggaat	30240
agggaaggtc	agaacagaaa	gcaaagctga	aaagctgaaa	gggacaggca	atccatgagg	30300
aaggccccat	ggggagaagc	gagctcctac	tcagacaaac	tatgggccag	gccacacaca	30360
acctggggag	ccctgcgccc	ttctgcagtt	tcacatccca	tctgtctcca	tctctgtctc	30420
tcccacagct	cccttgctgt	ctcccaagct	caggccctcc	ctgccctctc	tatattcatg	30480
cagggaaaca	gcacttatcg	attccgtcac	atttacaag	agctgatcta	gagcaacgac	30540
cacagtcctt	ggcagccctt	tgcaggaggc	ctaactgtgt	cagctccttg	aatccccacc	30600
aacaagatgg	gggttactag	cctatttccc	agatgaggac	atgaggttga	gagaggagaa	30660
gtatatttgt	ttccgagggc	tgtgtttaca	agttaccaca	aactgggtgg	cttcagacga	30720
cagaaattta	ttctttcaca	gttctggagg	cgagaagtct	gaaaacacgg	tgtcagtggg	30780
gccctgctct	cttgaagcct	ctccaggaga	acctgttcca	tgcccttctc	atagctccgg	30840
ttattgtcat	ctgtccttgg	cattcccagg	cttgaattgc	atccctctcg	cctccgcttc	30900
tcttgctaca	tgacattcac	tgtgtgtct	ctgtcttgt	gtcttcttgt	aaggacacca	30960
gcctattgga	tgaagggcc	ggtgtgacct	cattattaac	ttaactacaac	tgcagcaacc	31020
ttattttctga	ataaggtcat	agtctgaagt	actggttgaa	cttccacatg	tcttttttagg	31080
gacacgattc	cgcccataac	aggaagagat	tcacccaaag	tcacatggag	gtgcaattga	31140
atctccatgc	caagctctga	atcatggtct	caggccaaga	agaccttacc	tcaacctccc	31200
ctcacaactt	catggggcag	ccgcactgta	gtcagcaaa	ctggcctagc	tgcaggtccc	31260
accctcccct	ctagggacac	ggccccaaa	gcagcctgct	cagctgctgc	tcccactctg	31320
cctctttttc	ttttcttttt	ttcttgagac	agtgtcttgc	tctgtctccc	aagttgcagt	31380
gcagtgggcg	atctttggct	cactgcaacc	tgtacctccc	cagctcaagt	gatcttccca	31440
cctcagcctc	cctgagtagc	tgggaccaca	ggtgcacgtg	aacttgccca	gctaagtgtt	31500
gtattttttt	tttttttttt	ttttttgtaa	agacgggggt	tcaccatgtg	gcccagggtt	31560
ctactgtgct	tttgtccact	tcattggaga	ggcctaggag	gtcagggggg	tttgggaagg	31620
agggaaggac	aagcacctcc	atgacatggg	gggtcttcag	gagcttgga	gaggaaggcc	31680
ctttcccaaa	ggacaactgc	agagatgctg	catcataggt	gggtgccctt	ccaggtgccg	31740
gctgtctcct</						

ctaggggctt	tcctggtcat	ctttgcatcc	ttctctgcagc	ctggactgtc	accaggcccc	32160
acccaaaagg	agaagaaaga	gggagagcct	gggacagcag	gggtgggggt	gagctctgca	32220
cctgtctgag	ccacattctc	tccctgtatc	tggaaatagc	tgccttaaat	tccctcaga	32280
aagcattgct	tctctttgcc	tgacacaaac	tcgagagaag	aggaactgct	gggcctgcca	32340
gaggcgggca	actgggactg	aataggctag	gtgtggctgt	gagagcaagg	gcagcagagc	32400
atggacaggg	agctggcagg	ggaggggaga	ccccagcact	gctttggggca	ggttgagatt	32460
gaagtggccg	gaggcaagag	atgcagccct	ggagcagagg	agggggccagt	gctgatcttt	32520
tttttttttt	tttttttttt	tgcagtgagg	tcttgccctg	tcgcccaggc	tggatgagc	32580
tagtgcgatc	tcggctcact	gcaacctcca	cctctggggt	tcaagcaatc	tcatgcctca	32640
gcctcccaag	tagctggggg	tataggcgcc	caccaccacg	ccagctaatt	tttgattttt	32700
tagtagagat	ggggtttcac	catggtggcc	aggctggtct	caaactcctg	atgtcaaattg	32760
atctgcctgc	ctcgccctcc	cagagtgtctg	ggattacagg	catggccacc	gcatctggcc	32820
gtcagggctg	atcgttcatt	catttagcgc	atgtgtgagt	cggactctgg	tctagatgct	32880
gggacagcac	ggagccggac	agacaaaccc	tgcacctgt	catccagctg	ggcaccgaaa	32940
tgcgagcctc	tccctcttac	cagcttcctt	gattcctgat	caaggaattc	aaattccatg	33000
attcctcctg	ggacctcatc	tgtccttttc	agcttggtctg	gggaagtgg	ggaagctgct	33060
gtgctgtgcc	aaggcccccc	tccccgtctc	tgttttcta	tccaactcgg	gaagggcca	33120
tagaggatgg	catggatttc	ggcaggctcc	tggacttgag	ctgctcgctg	ggaaggaggtc	33180
tggggccaac	tgctggtacc	cttttaacta	gactatagga	gactgagccc	cttataacag	33240
ccaagaatcc	ccatcaacat	cctgcaacat	aggaataaat	actctaaaga	aaatacaaaag	33300
tccgaggcca	ggtgcagtgg	ctcatgcctg	taatcccagc	actttggggag	gctgagggtg	33360
gcagatcact	tgagccctgg	agttccagac	cagcccgggc	aacataggga	gaccctgtct	33420
ctacaaaaaa	tttaaaaatt	agccggcatg	gtggtgtatg	cctgtgggtcc	cagccactca	33480
ggaggctgag	gcaggaggat	cacttgagcc	cagggaagtgc	aagctgcagt	gagccgtaac	33540
ttgtgccact	gcactccagc	ctgggtgaca	gagtgcagcc	ctgcctcaaa	tataaagaaa	33600
gaaagaaaaga	aaaataaaga	aaatagaaga	cggttgtgtt	acagagaattg	agactgcagg	33660
gcataagggc	tggaaagtct	tccatcacat	tccaatggag	gaagcagaca	gggagtgagt	33720
gcacgcttaa	acaataataa	acaaagtaat	gttatgaggt	gggattttaa	tgtggcttct	33780
aagaggtaac	ttgtgcgagc	ggatgaaatt	gagccagact	tggttgggtg	ggtccataca	33840
gaagagagga	gagggctcgg	gacccagctg	tgggcacagg	aatcagagaa	caggagaatg	33900
gggttaagca	gaattgcagt	ccacgcagaa	agttccctcc	attttctttg	gcagtggctg	33960
gattctcacc	ctgcctccca	cctgaagacc	agaggcagga	gggaggccca	ggggctctgt	34020
gtgggcttgc	tgtggcctgg	cctgctgac	tcggcaagaa	tgggcaggac	ataccttct	34080
ggagggatgc	cctaggggaa	gcgtccatag	agctgcctgg	gtggctggct	ccatccctat	34140
ccccctcagct	tggatgcagt	aacctgcagg	gcagaagctc	tgttgaagct	ctgtcgaaatc	34200
ctcacagagg	cctgtgcagg	tttcccaccc	acctctctctg	ctcctgggtc	ccctgctttg	34260
gtggctctta	ctgggaaccg	caggcgatct	tcctttggac	actgtctctg	tttatgctaa	34320
aattcaagct	gtgttgagct	aatgccttat	ctaccaagat	tgtggaggtc	atggataaaa	34380
agataccctg	caagatggac	agatactctg	gtgaatagag	tcctttccaa	cttcaccaa	34440
ttcactcacc	agaatcatcc	gcagacagta	ttttcagagc	attcctgaag	tagagggtatt	34500
gtcatggtga	ggtgcggtgg	taactgggga	aagggaacct	tagcatggtg	tgctggtcac	34560
tgtggaacag	ctggctctcc	agggggaaaag	agccccgggt	catagcattt	gctgataaat	34620
attcccacca	gttcacctca	catgaaattgg	ggagcctggg	cagcgagac	gggactatc	34680
ctacccccagg	tgttaactca	gtcccaggag	agctgtgtgg	cccgtcccat	gagactccag	34740
aggactccag	aagaaatcca	ctgccagatc	agggtcacag	aacaatgccg	gcaggcgaga	34800
gcgggcactg	tgacgggcca	gggggtctgg	gagagcgtca	gaagctgcta	gggcctgtcc	34860
tcccggaact	gggccactgt	gggcctttca	tctcccgcct	ccctttccgc	gccactcctg	34920
cggctgcctg	cctctgcccc	ttcccacccc	accaccccca	gtgcggcaat	tacggcgcta	34980
attaggctgc	tttgatcatc	tttagaaatg	gccacattgg	ggagggactc	tgccaagcaa	35040
ttaggggcag	aggggtgggg	agctccaggg	cttctcagg	gggtggggct	gctgagaaac	35100
cccagacacc	ccctgcctc	ctccctccag	gagtgtctgc	ccgctcatag	ctgtaagctc	35160
ctcagggggt	agaggcagat	ggggatcccc	ccccatccca	gccttgagc	caggggccgc	35220
ccccccag	cagcccccct	ctgcctggcc	tgcagcccaa	ccgtcagccc	tcttcctctg	35280
tcttggcccc	tttgatggag	ccgcagaaac	aagggtcct	ttgacagaag	gggggctcgg	35340
agctgggatg	atgagacttc	agagggtgaag	gtcaagccca	ctacccact	cctcccccac	35400
tcttggccac	cctcccgctg	acccctcccc	caggctgtcc	tctataaaga	ccctgcagcc	35460
ccattcccct	gtgggtcct	aggagttaag	ggccaggtga			

aaggaccttt ggctccttct gccaccctg ctgcgagaag gggccaagaa ctgagatata 35940
ggtgggagag gagggtgtg gcgggaaagg gaaggggagc tgttgagcat gccgaaagga 36000
atggagagaa ggccccaaga agcagagaga aacggcccg ggagcacc tgccttggtc 36060
tgtcccgcc gaaggtgggc cactcaaaaca cagctacttt cagtcaataa agctgagttc 36120
tgcgatgtct gtatcttttg ggtggtgtct ttaaaaaaa ttgttaagga aaagcacctt 36180
tcaaagatcc cagtccagct cagtgaatt agggagacat cttgggctga gaacctggga 36240
gcacgggctc tgagtgttg gccagcgct cccggggctc acttgctcc tcattctgtc 36300
ccaggctggt gggctctccc aggcaggctc cagggtggg gccaggagga tgaggctgag 36360
gctcttcccc aaccacgcat gattgtgtgc cccctgtccc agcagttctg tcggccagg 36420
ggactcaggc gttgcaggca gccagagga gcgcccagtg ggcaataaac cgagtggcga 36480
tgagatcca gcacagatcg cacgagtgc gaggtgccc ccctgcccc cgtgccccag 36540
tgagcttctt gcctaccctg ggccattct gctgcctctg tcccttccct tcagtcttca 36600
ctccctctct gggggcagag actgtgttg gccgcaacct agactacgtt tgtgaaggtc 36660
tgtctctccg agtggaagg acacgctagg cttggggcat ggtctgtgca aaggcaggga 36720
ggcgaaaca ctctgggctc ctgtgtgtg caggagaagt tcatggttg tgaaatagaa 36780
cccgtgtggg ctggagggtc gagcgcgaaa ggagagatgg gaagagagag gctcggccca 36840
gcctggggtg aggcaggcg aaaggcgagc agtgagactc aaaggctctg ttctctgtc 36900
gatctgggcg cccaggcct caagctctcc tccaggacc acctgagcca ggtgaggctg 36960
aaaaggctcg agggggcagg cctgagagcc ggggtggcct cgaaggcgag gatggccaga 37020
acatgtccct cgtgacaccc cttgccccct tctagggcg tgcggcgaga ggcgtccgag 37080
cactgccaat gtgacgcggg cccacggccg catcgtgggg ggagcgcg cgcgcgccg 37140
ggcctggccc tggctgggtg ggtgagcgt cggcgggcag cctctgtgag gggcgctcct 37200
ggtagcgcc tctgggtgc tcacggcagc gcactgcttt gtagggtag taggaccccc 37260
aggccttgcc cagctggggg ccccgcgct gggccccga cctgcccggg tgtccggcg 37320
gcgacgcg cgaaagggtg tcttctgtc cccctggcg cggcgggcc cgggcttccc 37380
cgtctcaagg ggcgcgccc ccccgcagc gatgcagcc cggaggggt cgccctcgt gccccagg 37440
ggcgagttcg cccctcttg gacgggacc ctccccggc cgccctcgt gccccagg 37500
ggagaaagcc cggcatgagg gcggaggggc aggggttcc aggggctgc ggggtgtgc 37560
cctgtccttc ctgctctca gctgcgctc gaccgcagc gccccgaat agcttctgt 37620
gactgtgacg ctggcagagg ggtcccggg ggagcaagc gaggagtg cagtgaacc 37680
catctgccc caccccaagg tgagaaggca gtcccaggc cccaaggct gggcacgca 37740
ccccacccg tgcctcctt gacctgccc tgggtcagc gtggacgccc gtgagcccg ggggatcgg 37800
cttccacaac gacctggccc aggagccccc ggagccccc tgagcccg cctgcgcc 37860
gcgccccgtg tgcctgccc aggaaggtac tgaaggtg gggcgctgg gttgccttg aaaaatgt 37920
cgcggttg ggcgcctct atagagtgt gggaggccg gttgccttg aaaaatgt 38040
agaactgggg gtccgaggta ggaatcaagg ggggtgtgg gaaggggacc ctcaaggcg 38100
cctgtctctt caaaggggga gagcttcca ccccttccc gcagacggc ctgaggctga 38160
ggctcttgcc ctccaaacct gaggcccg tgccctgct cagcacggc acctgccga gagccctgg 38220
agcagtgaga gaggcccg cgccccagca ccatgctctg cgccgggtac ctggcgggg gagcctccc 38280
gcccgggctg tgaacccagt ctgatgagaa aaggccggc actcgactc tctgacctc tctgtcctc 38340
gtgccaggta tcccttccag tctgtctgtc actcgactc tctgacctc tctgtcctc 38400
cggcctcttt tcccttccag tcccttccag tcccttccag tcccttccag tcccttccag 38460
tcccttccag tcccttccag tcccttccag tcccttccag tcccttccag tcccttccag 38520
ggggcagggt aatgcagcgt cctctctctt gggcccgag ggtgactcg gaggccccct 38580
gacctgttct gagcctggcc cccgccttag agaggtcctg ttcggagtca cctcctggg 38640
ggacggctgc ggggagccag ggaagcccg ggtctacacc cgctggcag tgttcaagga 38700
ctggctccag gagcagatga gcggtgagc cctctttcc aatgccccgt cccagtgcc 38760
ccaacggaca accgtgggac aagccggtt ccacccggc catgcccatt cccagctccc 38820
ttctgctctg ggaagccctg tctccttccg ggaagggagt gagggggcta gggcccaaaa 38880
cagagggtga gctgacctc gtcccggcc cagcagcctc ctccagccg gagccagct 38940
gcaggagct tctggcctg gacccccct aggagctgca ggcagacgc gcccggctc 39000
cgcttctcta tgcccgctg tggcggggt cccagggcg ctgtgcgag ttcaccgga cccggacgg 39060
agcagtgcct gcagcgccg ggcgagctc tgaccgccc tccgactcct gtcgggtcc 39120
gggcagaggg gagggggctc cacacgctg tgggctgtc gcggaacgc caggagctg 39180
cagagctgcg tccgggaatg cggcgctg ccccgccct ggctctccc gctccagcg 39240
tcaggagtc tctctgcac cccgcccgg agctgaggc tccactcagg accccgcgc 39300
ctccagccca gccagccct ggcctcccc ggaatcgcc ctgcaggac tgggttccc 39360
gaggcggtac cctaaccctg cggagccgc cggagaagc aacggtaatg cggacccct 39420
aagcggaggg ggctgaggc ctggacgag tcggaagcg ttctactgca gctccgaaa 39480
ggaggggata catggggcaa cagggtggc tcgttctccc ctcccccca tagagcgtat 39540
gggcttacc gactctttt ggttttagc ctcatcagtc tcaaacagag atgctttg 39600

[illegible]

tgtgctggag	aacaagttga	gccaagccct	ccctgacctc	ccctctgtca	ccctgcctcc	43500
tttccttaag	cctcctctgc	ctccccaac	tctgccagtc	gtgagtggcc	aaagctcact	43560
atggttcttg	tccctgtccc	ccagcaatga	cggtcccttc	cagatctcct	actcctgcaa	43620
cgtgcttgtc	taccactacg	gcttcgtgta	ctggctgcc	cctgccatct	tcogctcctc	43680
ctgccccatc	tctgtcacct	atttccctt	cgactggcag	aactgctccc	tcaagttcag	43740
gtgtgccctt	ttctccagcc	acccctcacc	ccaaagcacc	ctgccagagg	ccaaagaagg	43800
tgactgaagc	acccctcagc	agaggccctt	gcctgtcttg	gattagtgtc	gccctcccca	43860
caatggtcct	cccttaccag	cccttccca	ctctgtggcc	ccagcactgt	gccaggtgtc	43920
actctgtgcc	cattgccctc	cccagttccc	tcaagtatac	ggccaaagag	atcaccttga	43980
gcctgaaaca	ggatgccaa	gagaaccgca	cctacccctg	ggagtggatc	atcattgatc	44040
ctgaaggctt	cacaggtgct	gggaacagcc	gccagtgggt	gggcagggtc	ctcagacaca	44100
cacagacaca	ctggccctgt	ccaccccaga	gacacacacg	tgcacacaca	cacacactta	44160
ggacaccaat	acacagctcc	tcacacacgc	agctagacac	agaagggcag	acacatatcc	44220
gccacagag	gagcacacag	acactcacac	ttcctgaatg	caaagctatc	ccaaaggcag	44280
agagagaagg	tgccaggggc	ctcccatgc	ctctgcccg	gcccggaagt	catgtttctc	44340
ccacatgaga	tgctgtggc	tgacaggggt	ttagtctttc	ctgtgcctgg	tgagccagg	44400
ggtgtggttg	gcataagggc	tgtgttatcc	tgatgggggt	gtctgccacc	cctcctgaca	44460
tcctcatccc	cgatctgtac	ccaggctcgg	atcctccatg	gggcctacca	cttgccctgt	44520
ccatcagaag	ggaccctgtc	tcactgtctc	aggctggcac	atcatggcag	ggatagtttt	44580
actgtcactg	gctcattatc	cccaaggccc	aggccgagga	gtggctcaat	taatgtccag	44640
gaggcttttc	tttgttactc	aggaagacag	gtcfaatgtc	tgagagcatt	tgtttgactt	44700
ggtgtcttaa	tctgcaatac	ctgttttttg	ctcgtgtatc	ttttgagcca	aaagatactc	44760
cttatttgag	tcctgtatgg	cctcagcttc	tattttttcc	gaaaagataa	aaaagaaatc	44820
agtacacagag	gaagatttcc	cctcacagat	ggaaacttcc	atcccgaacc	cccagggaac	44880
gacacccacc	aacgggaccc	cgtagacagc	ccatctgcgt	ctctggactg	gcttgccctg	44940
cccagccctt	cattctgttc	ccaggccctg	cctagccccc	ttggccttgc	ctgaccttaa	45000
gatgtccatg	tgccgccttc	agagaacggg	gagtgggaga	tagtccaccg	gccggccagg	45060
gtcaacgtgg	accccagagc	ccctctggac	agccccagcc	gccaggacat	caccttctac	45120
ctcatcatcc	gcgcgaagcc	cctcttctac	atcatcaaca	tcctgggtgc	ctgcgtgctc	45180
atctccttca	tggtcaacct	ggtcttctac	ctaccggctg	acagtgagcc	tcagggcccc	45240
gtcccttgct	ccccctcccc	aagcccacct	gagcacagcc	agccccagcc	ctgccccctc	45300
acttctcct	gggagccacc	tggggctctc	attcctggag	ctccctgcct	ggatccaggt	45360
gtgagggcca	ggtggccacc	cagagggagg	gctgtatgat	tctgggcaac	atccccaaat	45420
ggacagggca	gggcatctcc	aagatgtcac	ttcccacgga	ctctcagaag	aactgctaaa	45480
ctgtccctct	gtcagggcag	agaccaagtc	cctcacggtc	accagtggtg	gaccgtgggc	45540
ctggcacaca	ggaggccctc	aactgttgaa	ccagtgggtg	aataacaggg	tccttagggc	45600
agtagggtgt	gaggcagaaa	acccatctat	gtcacctga	ctctatgagg	cagtggttta	45660
caagttcaga	gtatttacta	tgagcagggc	atagtgaatc	ccagggtcaa	aggccaccca	45720
gcccctgccc	ccggcaggac	ttgaggaggg	agaagtgggg	caccttccat	ctgcagtggg	45780
gttgggaggg	cttctagagg	aggtggagtt	tgaatggact	tgagcaggat	tgggtggggc	45840
taccacaggg	aggaggagca	atgccaataa	ggagggggcc	aggcaggggc	tgaagggacc	45900
tcagcagggg	agccccctt	ccgcctcttg	ccatcacgtg	caggagctca	ggtgggaaga	45960
gcaagacagc	actgggctgg	ggtctcttag	tgaggggctg	ggagttgagg	tgttatcctg	46020
gttctacaag	gacaacctgg	cactttctaa	gcggggagta	atcgaacgag	gtctgtgctc	46080
caggaggggt	cagtggcgtg	ggtgggttgt	gcacagtgat	tttcatgagc	acttaaccag	46140
tgccaggcag	agtgatgcgt	gttaaacaca	ctctgtcacc	acatttaaca	gttgagaaaa	46200
ctgatgcaca	gagaggttgg	gctacttgcc	caaggtcacc	cagctagtaa	gtggcagagc	46260
tgatatttgc	accagggcac	tctagctcca	taacccttaa	ttttcatcag	ggtatgatgg	46320
tactacagag	gtgccagggg	ccacagcggg	accctctagg	accggtgccc	caaggtcaca	46380
gctggaccct	ctaggaccgg	tgccccaa	tcacagctaa	gtctggcttc	cccaggtggg	46440
gagaagacat	cagtggccat	ctcgggtgct	ctggctcagt	ctgtcttctt	gctgtcctc	46500
tccaagcgct	tgcttgccac	atcccattgg	atccccctta	tcggcaagtg	agtaaccctc	46560
aagccgggcc	tcacctgtct	tgccagccca	gccctgggag	ctccaagctg	agtgtttgcc	46620
cacaggttcc	tgctcttcgg	catggtgctg	gtcacctatg	ttgtgggtgat	ctgtgtcatc	46680
gtgtcaaca	tcacttccg	aacaccagc	acccatgtgc	tgtctgaggg	ggtcaagaag	46740
gtgagtactt	ggcccgccgc	aaaagctcac	cactgtaatc	ctggcatttc	aggaggttga	46800
ggcgggagaa	tctcttgagc	cc				


```

caaatcaaaa ccccatctct aaaaaaataa aataaaatga aaagcagggg cggggtgtgg 47280
tagctcacac ctataatccc agcacttttg gtggctgagg cgggtggatc acctgagggtc 47340
aagagttcga gaccaccctg gccaacatgg tgaaactcca tctctactaa aaattcaaaa 47400
attagccagg cgtgatagtg tgcgcttgta atcccagcta ctccggggggc tgagggtacga 47460
gaatcgcttg aactcggggag gtggaggttg cagtgaagccg agatctcacc actgcaactcc 47520
agcctggggc acaagagaca agagcgaaac tctgtttcca aaaaaaaaaa aaaaaaaaaa 47580
aaatctggaa cttgtccaaa ggccatctgt agaattgggtg aagacactgg acatatactc 47640
ccacggggag gccgctcagc cgtgcagaag cacctgcggc tgctgcagcc ctgcacgtgt 47700
gaacctcctg gcacagtgtt ccgtgaaaga aaccagacgc agcagcacat gctgcaggcc 47760
tcactttgta agaagttcaa gaacaggcca aatcagtgtt tgggtgatgga agtcagaatg 47820
gtggctatct ctggggctgg gagggtagtg agtgggggca ggtgtgaggg agatttttgg 47880
ggatcatgtt cactatctca tctactggtg tttaccagtg ggaatgcatc tgtaaaaatt 47940
catctagcta tatacttaag atgtgctcat tccactgtat gctgcaactc agaaggaaga 48000
aggggaggac tgagtgcagg gtgctcagga gggggctgcc cttgcctctc ggctgctgca 48060
gggccggctg gctgttcttg gacagctgaa ggcagtttag caactctttt ttttcttttt 48120
tgagatggag tctcctctg tgcgccaggc tggagtgcag tggttcgatc tcagctcact 48180
gcaacctctg cctcccagg tcaagtgatt ttcatgcctc agcctcctaa gtagctggga 48240
ttacaggcgc ccgccacat gcctggctaa tttttgtatt tttagtagcg atgggtttca 48300
ccacgttggc catgctggtc tcgaactcct gacctcaagc aatccacctg cctcggcttc 48360
ccaaagagct gggactatag gcgtgagcca ctgtgcccg ccttagcaac tctttttgtc 48420
tttcagcatt tgatggggga gactctagca tttggagcat ttaccttagt ttttggctct 48480
taattaatca tttttagtga atgggtctcg ctccgcacca tgggtgatgt gggagagctg 48540
gaagcaacct gcatgtgcat cagtaggaga tcgggggaatc aatgacagag tcagacgggg 48600
gagcactttg tggcagccag gaatgaagtc acagatgtta ggatgtgtaa aggtcacccc 48660
atgcttgtaa aatggccttt ttggccagac acggtgcctc gccgtaatc ccagcacttt 48720
gggaggccaa tccaggcaga tcacgaggtc aggagagcaa gaccatcctg gccaaaatgg 48780
tgaaacccca tctctactaa aaatacaaaa attagctggg catggtggcg cgtgcctgta 48840
gtcccaacta cttgggagac tgaggcaaga aatcacttga acccgagagg tggaggttgc 48900
agtgaagcca gatcgccca ctgcaactca gcctggtgac agaatgagac tccgtctcaa 48960
aaacaaagaa caaaaaacaa cgcctttctt gtggcccctt gacatggccc cagctcttcc 49020
tggagaccct gccggagctc ctgcacatgt cccgcccagc agaggatgga cccagccctg 49080
gggcccctgt gcggaggagc agctccctgg gatacatctc caaggccgag gagtacttcc 49140
tgctcaagtc ccgcagtgc ctcatgttcg agaagcagtc agagcggcat gggctggcca 49200
gggcctcac cactgcagct gggctcccgc tggcttgggt tttcagccca tctgtgggag 49260
gtgggtggag gcaggcctca ccccactct ggcccctgt ctgtaggccg gccccagca 49320
agctctgagc agggccagca ggaactcttc aatgagctga agccagctgt ggatggggca 49380
aacttcattg ttaaccacat gagggaccag aacaattaca atgaggtgag ggaccacagg 49440
attgccatgt acaggtgttc aagtagggca ctgattaggt gtattctatc ttaagagggc 49500
agggttcccc ttagaggcac acaccaactt agatgaggga gttaatgtga cacagattcc 49560
agggcccccc gccagggaga gagaactcct gcctggcacc ctatagcagc actggggcca 49620
ggcacacaca cataggcaca cagctccacc ctgtccaggc cacactctga gcatccctta 49680
ggatcccttc tttctcccag ctgccaatca ttttctgtcc ctactcagtt ccaagcctga 49740
tactccagac agaaccagac attttaaagg tagccatata tggttattca acattataca 49800
acttctaaaa atcatctctt gagaaggggc accttttccc agttcacata tgggctggca 49860
gcagccctga cttgctgaga tgggggagaa gaagagaggg gtctatccac cttcctcagc 49920
ccctaggaga gaccctggg cctcagttcc tctctagccc cagagccctg tgctacagca 49980
gagagggagg ctatggtct 49999

```

<210> 21

<211> 11849

<212> DNA

<213> Homo sapiens

<400> 21

```

gttcccgct cctcaacaga gtgatcagcc ctgcctgtgg ccagaggggc ctgggacctt 60
gctggggaca agccagcatt atcctgcaag cccgaggcag cctctgcagg cacaatgagc 120
cgccctctgc ctccatggct gggccccagc ttgggggtgg ggctttgtgg cctgaggccc 180
ttctcaccct actctctctg cccctaccca caggagaaag acagctggaa ccgagtggcc 240
cgcacagttg accgcctctg cctgtttgtg gtgagcctg tcatggtggt gggcacagcc 300
tggatcttcc tcagggcgct ttacaaccag ccaccacc agccttttcc tggggacccc 360
tactcctaca acgtgcagga caagcgcttc atctagggtg ggctgttgg ggagccagga 420
gacagcaggg tctgagagag gagccacagt ccctaagac acccactcct agccctgagg 480

```


ctcgtgcccc	tcagactggg	gaagagtcca	aggaagggag	ggagcagcca	ctcctcaatg	540
ctcaatggct	ccccgaaat	caagacaggg	gccacccgag	atggctctgag	ggtggacatc	600
ggctacagt	ggtgggcagg	acgatttggg	gggagggccc	aggctggctc	agggggccagg	660
gaggaggcca	ctcaggggtg	cctcaggggg	agagctctga	taggggtgag	acagataggg	720
ccccttctat	gatttctctc	ccccaaaggt	tggggtagag	caggcaggaa	tctgcgcctt	780
cactctctgg	ccccccagc	ctccctcttc	ctacctacc	ttcaacctca	ggcttctgag	840
gcctcacctg	ggactgaggt	tgaggacacc	tccctccctc	cagacccag	agtatccttt	900
cctagctctt	tctgccttga	cctctctggc	taggtccctt	ggcgaagt	aggactggag	960
tggaaaggtc	aggatcgaca	ttccacaaaga	cttgggggtca	tggtagaggt	gcacacacaa	1020
tctagagga	ccagaacgca	gcacctctcc	ccaaagggtc	cctgcccccc	agcacctact	1080
cctctccaaa	ttagggttgt	catgcattat	ttggggcata	catattctaa	aaaatcattc	1140
gttgtttctc	tgaattttgt	cccctatttt	tatttgctaa	atctagcaac	cctatcccaa	1200
aggcagcctc	cactcaatct	tatcctgagg	gccaaaggcc	aaggctgcag	gaattgggag	1260
acaaggggtc	gtttgtatgg	tgtccacct	ccaagatggc	cccagtgatg	cccagttatt	1320
acacccttgt	gcagtcccc	cactctgtac	cagggtgggt	ctgggtaacc	aatagaatga	1380
ggcagaagt	atggtacctc	acttcccaga	tttggttag	aaagacacta	tggcctcttt	1440
cttgctcatt	agccctcatt	ctcacatcag	ttggactctc	cactttgggg	agccagctg	1500
gcactgttaag	gagccctatg	gagagggcca	catggcaagg	aactaaggcc	tctgccaac	1560
agccacgtga	gtgaatgtgg	aagtggatcc	tctgccccag	tagggccttc	ggatgagatc	1620
acagcccagt	agacatctta	tgtgcagccc	catgaaagtc	cctaaggccag	aaccaccagc	1680
taagtactc	ctggattcct	gacccccaga	aactgtgtga	gataataaat	gtgtgttgtt	1740
ttaagtgaca	acgttttgg	gtcatttgtt	acaccagcaa	tgtgaccttg	agtgaactgc	1800
tctcatctc	actctcacc	ttccatcttc	taatctgcaa	aatgtgtgtc	tagtaagtcc	1860
tagtcatggg	gtgttgtgaa	aattgaattt	ctagtaggag	cattttcatg	tgacctgcac	1920
atttaattgg	tgggtattta	acccatttcc	ctcagggggg	aattggtgac	ctcattaa	1980
cagatataca	gaaggtgaga	tttttaattg	ttagatgtaa	ccaagaaaa	agaaaaacca	2040
tttaaaacca	aaactgaccc	tagtaacttc	tgccttcag	catgaactat	tcacaaaatt	2100
caaggtacaa	atctttaatt	gtcctgtcta	aataggaaag	ccagtttgtt	ctcacacctg	2160
tcaggtgagc	aggaaatctg	agacttcccc	aggaatagtc	catcaactca	gggagggctc	2220
gtcttgtgca	cagagagtct	agggccctca	gccacagtct	ttgcttctct	ctgcctcatg	2280
gtggcgctgc	tggcagcagg	tcttggttca	accaccaggt	gagtcctcag	ttctattagg	2340
ccctgctcaa	gtggctgtgg	acttccagag	aagacaacct	caaaatgtca	cacaaaaccg	2400
gggggggtgc	tctgacacag	gctcccagg	tcaccacagt	ttccaccaga	ggcaccacct	2460
cccccagcac	ggtgggtgct	tcaggactgc	tccactctga	ctgacataga	actccatctt	2520
ctgtccccag	gaagccatgc	tcacaggcac	agctttccg	gaagccagag	agtgctcctt	2580
actctctcca	gaccaacagg	gctaccctct	ctctttcaat	ggacagtga	tcagtaatac	2640
actggcctgc	aaggaacaga	aagctgaagg	aattgtagct	taaacacata	aggtttctct	2700
tttctcacat	agtaataata	gggaggcgga	ggtgatcatg	ttggctcggc	tgtctaacaa	2760
agctatcagg	gacccaggca	ttttgccatc	tgccagccc	tgcctccatg	gcaagttggc	2820
ttctgtcctc	agacctgttg	gccccagttt	gtgagctgac	agccacagct	gcacacttag	2880
cacctatgtt	caggcagaaa	agggccagcc	atttctgacc	cctttcatca	agaagcaaaa	2940
cttttccata	ggcggggcac	agtggctcac	gcctgtaatc	acagcacttt	gggaggtcta	3000
ggcggtgcta	tcacctaaag	tcaagagttc	aagaccggc	tgacgaacat	ggtgaaacct	3060
cctctctact	aaaaatacaa	aaattagatg	ggcttgggtg	cgccgcctg	taatcccagc	3120
tactcaggcg	gctgaggcga	gagaatcgct	tgaacccagg	aggcagaggt	tgcaagtgagc	3180
cgagatcaag	tcattgtact	ccagccttgg	cgacaagagt	gaaactccaa	ctcaaagaaa	3240
aaaaaaaaaa	caacttttcc	ataaagctcc	agtagacatc	ccgcaggtca	aaacatcaca	3300
tggctagcct	atctgaagg	agactaggaa	atgagtatct	tgtctacca	gccattataa	3360
cagaggggtg	caaaggagaa	gtagtgttag	acaattctac	agatgatttt	ctctgaatgg	3420
gtcctgtccc	tgcacacgta	accctgcaa	gaaacttcca	ttcctcattg	atgatttacc	3480
cttcggagaa	caccaagaag	gcttctaggg	catctctccc	agagcagaga	aaggggagaaa	3540
acagaggggt	ggagggttag	ggtgtagggg	acagttggtc	cactgtttgg	cagtgcttcc	3600
tgatcatgga	ggccattgaa	tttggtaaaa	tgtgggcctg	gaggagagta	aagaggttga	3660
gagaaactgg	tctgcaaaag	aggataagaa	aactgcatct	agggggacca	gagggcaaaa	3720
tggaaaggca	aggctctcag	aagtgagaag	gaaacgaggg	ctttgtaaat	tccaggaaaa	3780
gtgggccaca	cagagagaag	ctcagtgggg	gggatgccc	gggaggggga	agctcaggaa	3840
gggggaagct	cagggaggag	gaagctcaga	gaggaggaag	ctcagggaaa	gggaagccca	3900
gtgaggggga	agcttaggga	gggagaagct	cagggagggg	gaagctctgg	gaggaggaag	3960

ctgaagtaga	agaatcaagg	tggaggttgt	agtgaagcaa	gatcgacca	ctgcactcca	4320
gcaaaaaaca	aacaaacaaa	caaacacaaa	aaccctcaca	tgcctaccca	acagccttca	4380
caccacacca	aatcctgact	ccctggaggg	agtaggaggc	agtcacacctc	agccctctct	4440
ggagccgctg	tcaagttcct	cggcgacctg	ccttccctac	cacacccagc	tggccctggc	4500
tgtccttgcc	ccccatgttg	aacatggag	tgaaggtggg	acaactgagc	ccgagttggg	4560
gctggaaggt	ggatgtctct	tttggggcag	acggggcccc	tgtctccctc	ctccagccca	4620
ggtaacctga	gcccagcatt	gtgtccatcc	tggaaacagct	gacaacgctg	tggtcagaca	4680
gtcggtgggg	ctggggccagg	ctgggccgggc	tggctgggct	ggctgggggtg	ggagtgtagg	4740
ctgttatatg	acaccagag	cccatctctc	tctgccccag	accttggagc	tgttgtccca	4800
cccctgtcac	tgcagagagc	tgaggcacca	tgcattggggg	ccagggggcg	ctgctcctcc	4860
tgtctgtgct	ggctgtctgc	ctgggtggga	cacaaaggaa	tctcagcctg	gggagtccca	4920
gagctggggg	ccacagcctc	aggggatgga	gggtctgagg	ggtattgggg	cctgcccctgg	4980
accagttcc	ctgagtcctc	acttcacacc	cccagggcct	ccccgctctt	tccacctcca	5040
agctcctgct	aggctcacgc	ctgtctattg	cagggggccca	gggcgggaac	caggaggagc	5100
gtctgtctgc	agacctgatg	caaaactacg	accccaacct	gcggcccgcg	gaacgagact	5160
cggatgtggg	caatgtcagc	ctgaagctaa	ccctcaccaa	cctcatctcc	ctggtaagcc	5220
gcaggacgga	ggaggggtca	gcgcaccacg	ccctgggacc	tgtctggggat	agcatggggt	5280
ggctccagcc	accaagaggt	tggagggccc	taaatcggac	aggctggggg	ctggaaaacc	5340
cccatgggtg	tggggggagt	actatcaaga	ggctggggga	tgttgggcc	cattgggtggc	5400
ctgtggggac	tggcactgaa	gtcgggggct	gagccctcca	tactacacc	ttgcaccccc	5460
agaacgagcg	agaggaagcc	ctcaccacca	atgtctggat	agagattgga	agaggccacc	5520
ctgccacctc	ccttccatca	ggggctccac	cccaccacc	caaggctccc	tgagagtgc	5580
ctgcccccgt	cctgcctctt	ctgtcctctt	gggctggatg	ccactccta	gggctgtggg	5640
gcagcagagg	gcagaggcct	atcacactgcc	cctccccctg	cagcagtggt	gcgactatcg	5700
cctgcgctgg	gatccgcgag	actacgaagg	cctgtgggtg	ctgaggggtgc	cgctccaccat	5760
ggtgtggcgg	cgggatatcg	tgttgagaaa	caagtgagga	gggggtgcag	gcaggggtgt	5820
gggggacaaa	ggacacaggg	tctgggcca	gcagaacaag	gcactctggg	aaaagagaaa	5880
gatgagcaga	gggtgcaaat	cgggcacctg	tggggctagg	gaagaactgg	atggagcagg	5940
tgccgagggc	agggccctgg	gtatgcctc	tgaccccagg	gccagcagag	cagaccctac	6000
gccaggctcc	atctcctctg	ggctgggcca	cctgggtggg	ctgctcctt	ccctgtaaac	6060
tggggccgct	gacgggtcct	atagaagctg	gcgagagtca	acaagacagg	catgaaaagt	6120
gcatacctcg	ggggctggca	catggtgtgg	gcctaacaca	ttagtcgcta	ttatgactat	6180
tattattatt	atgattaaaa	caagagagag	taagataagc	agaaattagg	aggtgggtgcc	6240
tgaggaagtc	tgtctggggc	gggggtggc	aggaggattg	ctggggggac	ctagtgggtcc	6300
gggtgggaac	cagtcaaggg	gtgacaggct	ggtagggact	ggtgtcccca	ggccctatc	6360
cacatggggc	acaggggctg	gtatggggct	ggggtgtcgg	gggctgagcc	cacagcatcg	6420
tggcatggcc	tgttctgtgc	atacagcgtg	gacggtgtct	tgcaggtggc	cctctactgc	6480
aatgtgctcg	tgtcccttga	cggctgtatc	tactggctgc	cgcttgcatt	ccttcgttcc	6540
gcctgtctcta	tctcagctac	ctacttcccc	tctgactggc	agaactgctc	ccttatcttc	6600
cagttagggc	atattattgg	gaggattaa	agagctgctc	tcaagggggc	ctgggcagtg	6660
gtggggtaag	gcctgggcaa	ggcttctggc	cctgggtctg	gcagcaccta	gaggcctggc	6720
tccatctccc	ctgggcctct	gtgccatct	caggctaaga	cacctgaagg	tgccaaagct	6780
ctcctgtcta	agcccgagtc	ccctcactca	tcctttactg	cctcagtttc	ctcactgtg	6840
ctcaaagggg	agacattcac	gcctggggtg	cgtgggtgag	aaggcacaca	tgcacacaag	6900
atgcgtgtct	gcgcacacac	gaaaccactg	cacactccag	gccacagggg	aggcagggct	6960
gtcctgtgag	agagggggcc	tggcagggaa	tccagcgga	gcattgatgc	aaccaggcca	7020
cccctggggg	tctctgggtc	gtttctctca	aacctaaagt	tggggaggag	ggcccggggg	7080
agggttctcc	tgtaccttag	aggagcagtc	tttccatgag	caaacctggc	agggagactc	7140
ccctctgtag	acatgggggt	cctcctcggg	taggcatgtg	ttttctacat	tgccatcatc	7200
agccctcct	gccagacagc	agtgggagag	acaaatgcag	agtgacctg	ggcccatcag	7260
ccaggtgagg	gccctgcagc	ctcctgggcc	tccaactcca	tcttcctgac	cccaaagagc	7320
cctaggtcct	cctgctctcc	atatctcgcc	agtggggttt	gatagagaac	tcagaagcgt	7380
ggggctgcac	tttgttgaag	aaaagctggc	cacacttgct	cccagaaggt	catccccatg	7440
cagtcgtggc	aggtgcaccc	gctcacattt	agcctctttc	cttggtagct	ccagggtccc	7500
agacttacag	caccaatgag	atgatctgc	agctgagtca	ggaagatggc	cagaccatcg	7560
agtggatttt	cattgacctt	gaggccttca	caggtaaccc	ccacccaagg	gctccccagg	7620
cagcctcatc	cagggctcct	gctggaccca	gctgtgggtc	aggctggacc	aagggtcaaat	7680
ccctcccatg	taactcaaaa					

ctgtgtgttct	acctgtctcat	ccagcgcaag	ccctcttct	acgtcatcaa	catcatcgcc	8100
ccctgtgtgc	tcattctctc	tgtcgccatc	ctcatccact	tccttctctgc	caaggggtacc	8160
tggagcctat	gggaaggagc	catccagtag	cacaggggac	acctgggagg	ccgggggtggg	8220
ccctgcctgg	ggaacagagt	ggcattacga	cccaggacag	aggcagcggg	ctactttctgg	8280
ggtaaggggt	tcctctgttg	gtggggggagg	taggaacctg	ctctgagagc	ctctcggtca	8340
tggatagctg	ggggccagaa	gtgtaccgtc	gccatcaacg	tgtctctggc	ccagactgtc	8400
ttctctcttc	ttgtgtccaa	gaaggtgcct	gaacctccc	aggcggtgcc	actcatcagc	8460
aagtaaggct	ggtcttcattg	tcaccccgcc	tatgccactc	tccttctctg	ggagcatgat	8520
ggcctcctgc	attgccctct	tgcctccat	ccacccccc	catcctcaat	tcaggaggcc	8580
tgaggggggc	agccactaag	ggtgggggtg	gcatcatggt	atgggctgcc	agctcctgcc	8640
cacccaccc	tgacaggtac	ctgaccttcc	tcctggtggt	gaccatcctc	attgtcgtga	8700
atgctgtggt	tgtgtctaat	gtctccttgc	ggtctccaca	cacacactcc	atggcccag	8760
gggtccgcaa	ggcaaggacc	ctccctgccc	acttcaacat	cccgtgccc	actccctac	8820
gcctccctct	cgcacgcccc	ggcagtaact	acctatggga	ttccacagca	cacccatctc	8880
ggcggtatct	ggagcatatg	accaaaaatcg	attacagtaa	tacaggaatg	aaattgcttc	8940
ctaggtgccc	gggatattac	aaatgttaat	gtatttcatac	ttcataaaac	ccatatcacc	9000
tccaattaca	gatgaggacg	ttgaggcgca	gagaggttaa	gtaacctgcc	caaggaagtg	9060
cactacaaag	tcgaaaaagc	aggagtctgc	cagggcagtc	tgattccagt	ctgtgtgatc	9120
tgtagccac	ctgcagcctt	cagcttgggc	ccttgttgca	catgcagatt	ccaggcctg	9180
tcccaggcat	tctaggccag	aatagcatga	gggctggggg	caggaatctg	tgtttataac	9240
aagtgccttg	gtgattctga	tgtgcactga	agtttgggga	cccaggctcg	tgtccagtat	9300
agaaagcttt	accaaggcca	cgctactgcc	ccggtatgct	gcctccatg	tccttagcac	9360
cacaagcct	tcacaccaac	ctctggcttc	tgtctggaag	ctcggctgc	tgcctagtg	9420
aagccacccc	ctctctaggt	gttctgtagg	ctcttgcccc	agctgctgag	gatgcacgtt	9480
cgcccgctgg	ccccggcagc	tgtgcaggac	accagtcctc	ggctacagaa	tggctcctcg	9540
ggatggtcga	tcacaactgg	ggaggagggtg	gcctctgcc	tgctcgcag	tgaactcctc	9600
ttccagcagt	ggcagcggca	agggtcgggtg	gcggcagcgc	tggagaagct	aggtgagaca	9660
caccaggtgt	gcctggggac	agtcctcccc	tgggacccca	gctggggagc	caggcacagc	9720
agatgagtgc	tggagaagtg	cccaggctcag	ggagagagga	gctgggggtcc	ctaaggagag	9780
gccatctttct	ctgcctgttt	ctcctccatt	ctactcccaa	accttacctt	ttctctttat	9840
cagagaaagt	cccggagtta	gggctgagcc	agttctgtgg	cagcctgaag	caggctgccc	9900
cagccatcca	ggcctgtgtg	gaagcctgca	acctcattgc	ctgtgcccg	caccagcaga	9960
gtcactttga	caatgtaagc	tgagtcaggg	tgggtgggag	gtggagtgag	tacctgggct	10020
tggaaaccgtg	atagagacag	gatgagtggg	gttgccaaga	tagggcagtg	ggatggaaaa	10080
acatgaggcc	gggtgcagtg	ggtcacacct	gtaatccacg	tactttggga	ggccgaggcg	10140
agtggatcac	ctgaggctcag	gagtttgaga	ccagcctggc	caacatggca	aaaccttatc	10200
tttaccaaaa	ataccaaaaa	taccaaaaat	tagctgggtg	tgggtggcggg	cacctgtatt	10260
cccagctact	caggaggctg	aggcaggaga	attgcttgaa	cctgggaggg	ggaggttgca	10320
gtgagccaag	ccaagatcgc	accactgcac	ttgtgctgg	gtgaaagagt	gagacgtgag	10380
actccgtctc	aaaaaaaaaa	aaaaggaaag	aaagaaagaa	aaaggaacag	gggcaggggg	10440
ggcacctcag	ggccaggggg	ccatggaatt	agccaccagt	tgggaccgg	acataggtaa	10500
gaagggcccc	aggaaatgga	gacatgggcc	tgctggaagc	ccaaggatga	gaacaggacc	10560
cagggaagac	ctggtgcgcg	cgctgggttat	cccacacctg	cctcccacc	tcagggggaat	10620
gaggagtgg	tcctgggtggg	ccgagtgtctg	gaccgcgtct	gcttctctggc	catgctctcg	10680
ctcttcattc	gtggcacagc	tggcatcttc	ctcatggccc	actacaaccg	ggtcccgccg	10740
ctgccattcc	ctggagatcc	acgccccctac	ctgcctcac	cagactgagc	gaacccaacc	10800
ctgtggggca	tgtgggagtc	acacacgtgg	gtcacactga	gtcttatcag	ccacgttctc	10860
ctactgaggt	cctaagtgtg	ctctttggga	agtgccttcc	aggactgtgt	gagccaaaaca	10920
gccctgagaa	aagctgggga	aacagtctga	gctggagtcc	gagagtgggt	gggggtgggc	10980
cgtggctagt	gtcctgtctg	agtcagcaca	cacgtgggat	tggctagctc	atcctggcac	11040
cagccacccc	tccactcagt	gcactccct	cacttaggca	aagcattatt	cattcccatc	11100
agtctgaagc	ccgaaggact	gttttgtata	ataccttcgg	acttgggact	ggctccctct	11160
ttacaagttc	tccttgaaag	agggcagtc	caagagggtg	gaagagttagc	agccgatgct	11220
ctctccaaag	cagggcagca	gccataacca	gctggcatct	ccccccctg	ccttctgggt	11280
caataaagca	cccaattttc	aacagcccca	gtggcctttc	cattcatgtg	catttttctg	11340
ccactgacca	caagacgatt	tcctgagttt	tgtaatcctc	tttttttttt	tttttttttt	11400
agtttttgat	gtgttgttgt	tgttttgttt	agttttgaga	tagagcctca	ctcttgtcat	11460
gcaagtggga						

11849

[illegible]